

CORNWELL

Quality Tools

PRICES

It has always been our policy in the past to show prices in our catalog.

We now find it necessary due to the present market conditions and price fluctuations to eliminate all prices in this Catalog No. 25.

Please refer to price-list accompanying this catalog, for all prices, which will apply to our Catalogs Nos. 24 and 25.

Just as soon as it becomes practical to do so we will again adopt the policy of showing prices in our catalog.

Additional copies of price-list will be gladly furnished upon request.

CORNWELL QUALITY TOOLS

Catalog No. 25

G. B. FARISS
DISTRIBUTOR
1025 SUTTER ST., SAN FRANCISCO, 9
PHONE - GRAYSTONE 4-2966

The Cornwell Quality Tools Co.
Mogadore, Ohio
(Suburb of Akron)

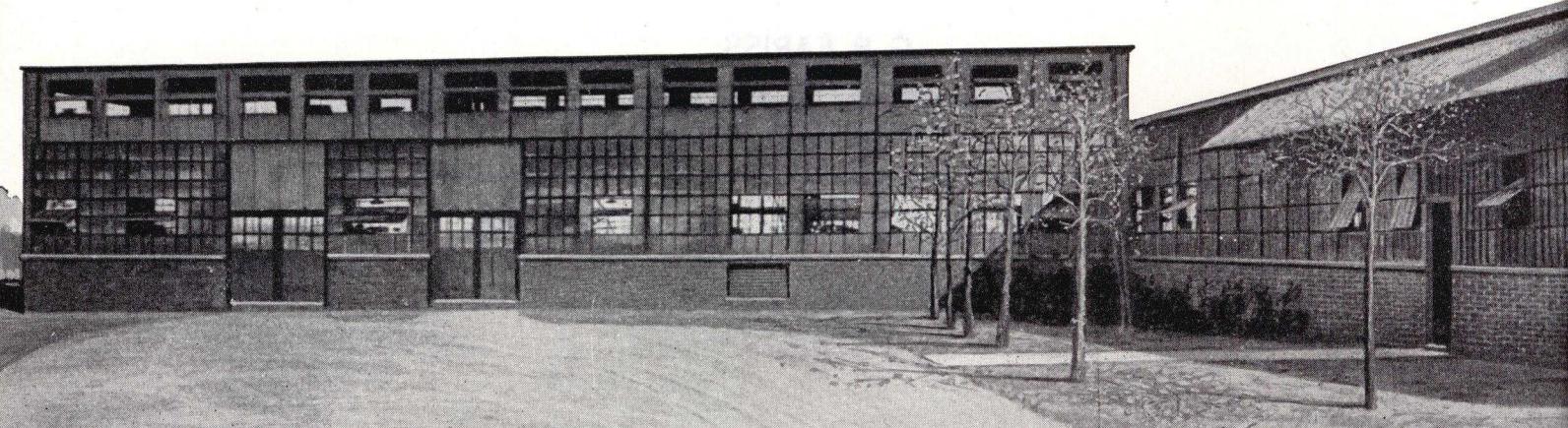
FOREWORD

HOW CORNWELL has kept pace with the demands of the professional mechanic to meet the many varied needs for automotive service tools is shown by the wide variety of tools as listed in this Cornwell Catalog No. 25.

This Cornwell catalog typifies the progressive spirit which has been so closely identified with the Cornwell organization for many years, and is dedicated to the millions of users of Cornwell Quality Tools throughout the civilized world.

The name CORNWELL is a standard by which all other automotive service tools are judged. They are made to meet the most exacting requirements of the professional mechanic.

The Cornwell organization has ever been on the alert, and is ever seeking through its intensive research and aggressiveness, to meet the service tool needs of the mechanic, in the design and manufacture, and the continual addition to, the Cornwell line of better tools.

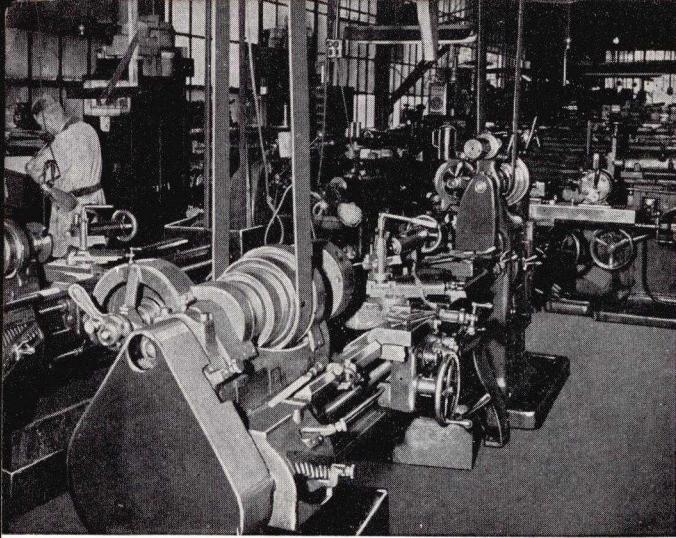


Rapid developments and refinements in the Cornwell line as represented in the pages of this catalog, which describe and illustrate an exceptionally complete line of automotive service tools to meet the mechanic's every need, together with the policy of giving "*more tool value per dollar*", has enabled the Cornwell organization to maintain its position as an outstanding leader in the service tools industry.

As a pioneer, Cornwell has been engaged in the manufacture of automotive service tools for many years. From its beginning the company has been closely identified with the development of new tools and improvement upon previously accepted designs. The development of Cornwell products has been coincident with the development of the automotive service tools industry.

Accuracy, care and experience in manufacture are all apparent in the finished Cornwell products. Extreme attention is exercised in the closest of inspection before any tool leaves the Cornwell plant.

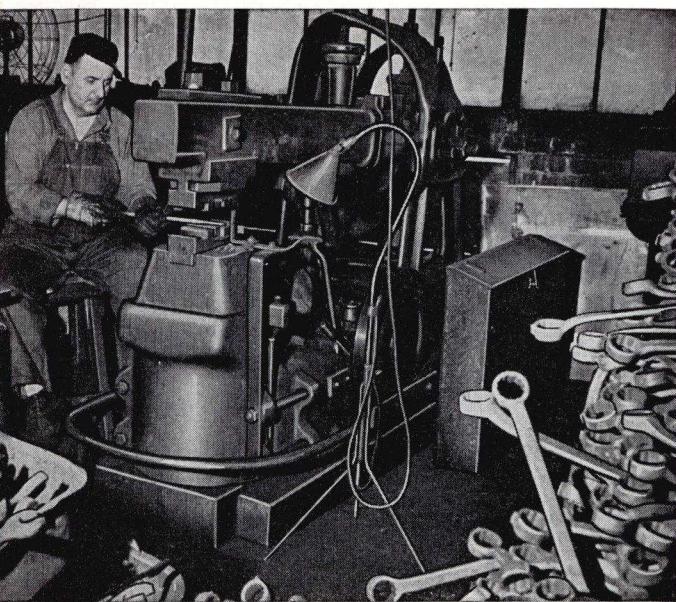




This is a corner of one of the most important departments in the Cornwell plant. Here the dies are designed and made.



Giant Heading Machine at work forging "one piece", heavy duty socket extensions.



The relatively slow but sure quality method of forging by Bradley Hammers, which hammers the steel at low heat to further refine the best of steel.

A heart-to-heart chat with our customers—

What a tool is made of and how it is made is of vital importance to a tool user. The quality of any tool is determined by the standards of material and its manufacture. And—true appraisal of any product must be based on the degree of service which it renders over the longest period of time.

CORNWELL, one of the greatest names in the Service Tools industry, has kept pace with the demands for service tools, our engineering and research contributing much in the development of service tools for the mechanic's needs.

Most exacting care and attention to detail is the rule in the making of Cornwell Tools, insuring lasting service. The one indispensable element in every worthwhile product is the sincerity and fidelity of its maker. The reputation of Cornwell Tools for quality and dependability has been gained through years of strict adherence to high standard of manufacturing and to a code of fair dealing. This policy has made Cornwell a great name in the service tools industry—the name CORNWELL is the standard by which all other tools are judged.

The rapid acceleration and the sustained high level of production to meet the needs of war has developed the manufacturing methods of the Cornwell Quality Tools Company to a degree of exactness and rigidity far greater than the normal pursuits of peace would have encouraged.

To maintain this enviable position is a matter of each employee being fully conscious of our policies and the coordination of all departments into a single purpose—the purpose of producing and furnishing you the user, with the best products it is possible to make.

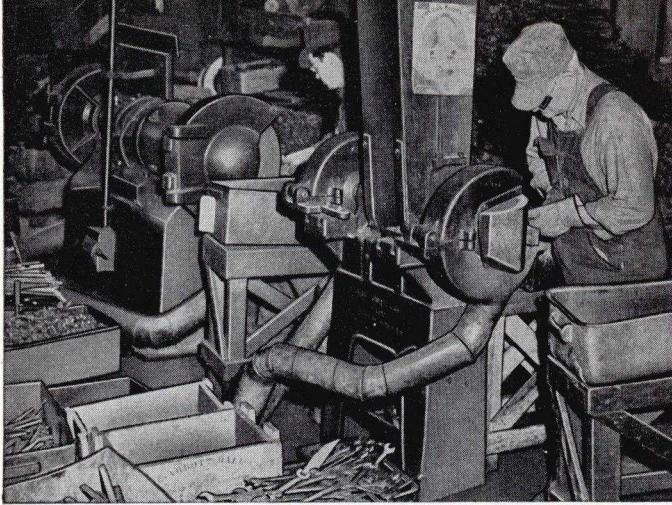
The name CORNWELL is your guarantee of satisfaction—a satisfaction which comes from the knowledge of knowing you are using tools that will stay with you and serve you well on any job for which they were engineered and produced.

Our sales executive recently took a visitor through our plant who recorded his observations, and gives a layman's description of his observations, which we believe of interest to pass on to you, and he says—As I entered the plant we came to a department which was described to me as the "die room", and here I saw dies being designed and made which later will be used for forming Cornwell Tools. This department could readily be seen as being the heart of the Cornwell plant.

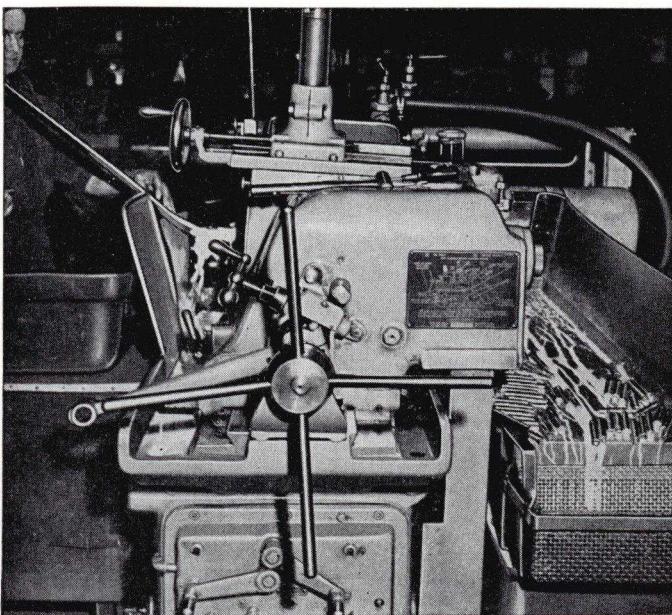
Stepping from the die room we entered one of the departments where these dies are put to work, observing such operations as the forming of heavy duty socket extensions in the heading machines, where the male and female dies were upset on a bar of steel—making an extension all in one piece. It is obvious that this method would make much stronger extensions than by the butt welding process.

From this department we stepped into an adjoining building into the department making Box Wrenches, Chisels, Punches, Screw Drivers, Pry Bars, etc. Any attempt to describe this operation adequately is difficult, but the operation was most interesting watching the Bradley Hammers pounding and pounding hundreds of blows on steel at low heat to further refine the best of steel, until it shaped itself into a rough form of tool. These Bradley Hammers by their relatively slow but sure quality method operation, toiled with the same skill and patience which distinguished the product of the old time blacksmith. After leaving the Bradley Hammers, we entered the grinding room and watched a most interesting operation of grinding the burrs from the forgings and bringing the head thicknesses of the tools down to specifications.

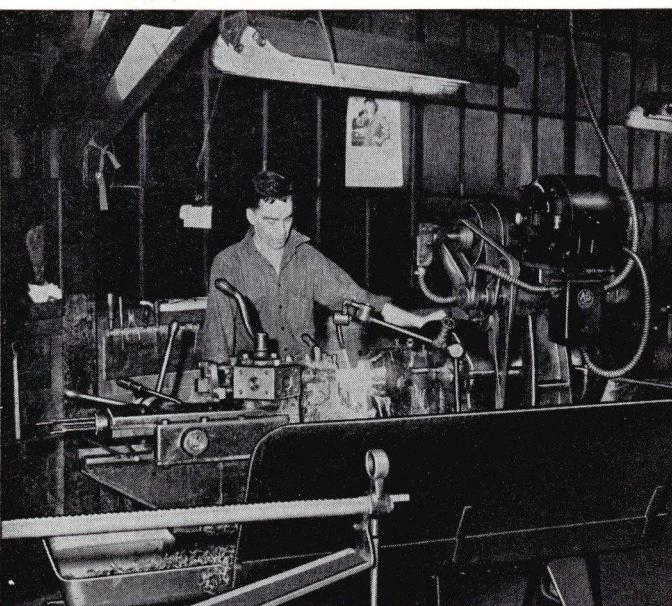
From the rough grinding operation we passed on to another department where the precision grinding was done with most modern mechanical equipment. The care which was taken with this important operation was most amazing as was shown by the continuous inspection. Nothing was left to chance by the Cornwell machinist on this operation-tools were inspected time and again and closely examined, and any tools not measuring up to requirements were promptly rejected.



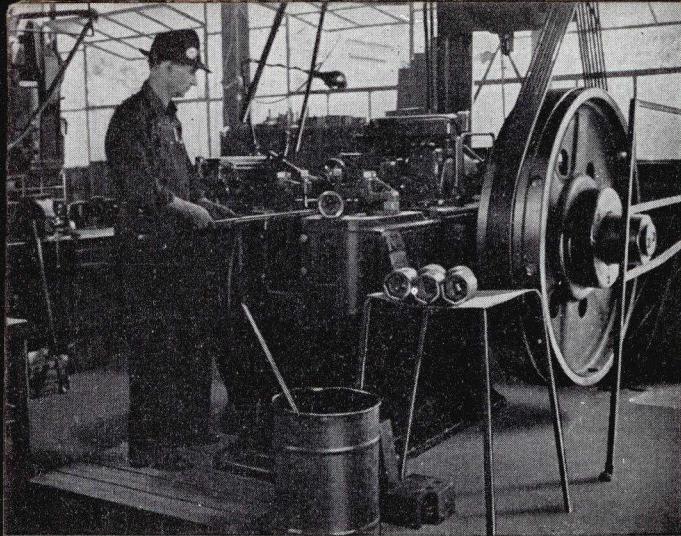
After forging, burrs must be removed and head thicknesses brought down to specification, shown in this rough grinding operation.



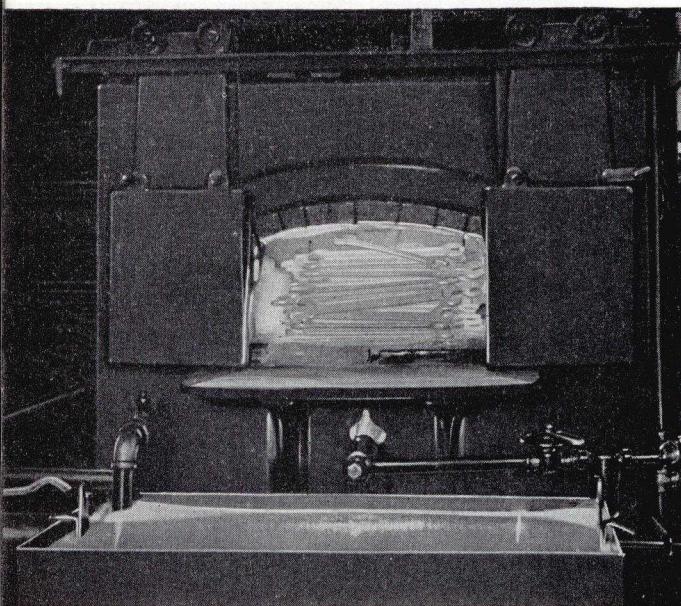
This operation shows precision grinding which is done by most highly skilled mechanics and most modern mechanical equipment.



Inside and Outside Turning done on individually powered automatic single spindle Universal Turret Lathe for handling tough material used in Cornwell Tools.



Hot Broaching Sockets to required opening size, compressing the most steel in the least possible space, resulting in thin, strong Cornwell sockets.



Tempering of Cornwell Tools shown by one of our hardening processes. All heats for hardening and drawing controlled by most modern electrical equipment.



Removing scale and oil by blasting in abrasive powder in large Tumblast Wheelabratrators. A second grinding and polishing is done preparatory to plating.

We then proceeded to the Universal Turret Lathes and Automatic Machines. These machines were individually powered, handling inside and outside turning of tools.

We then watched another operation with keen interest—the “hot broaching” of Sockets to the required opening size. This method compresses the most possible steel into the least possible space, resulting in thin, strong Cornwell Sockets.

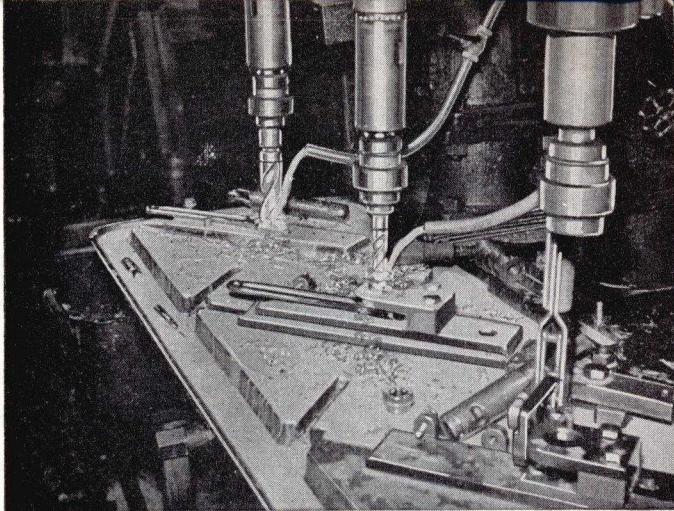
Tempering and Hardening is perhaps the most important of all operations for high quality Cornwell Tools, so we paused for a considerable time at one of the tempering furnaces, where skill and precision is at its best. Forging alone would not be sufficient were it not for the special process of heat treating, to which every Cornwell tool is subjected. The operators handling these furnaces have had years of experience in carrying out their work. After the forming, grinding and stamping of the tools, they are then tempered. This operation calls for controlled temperatures and exact timing by most modern electrical equipment, and it was most interesting to watch this operation of the hardening process.

We then passed on to the large Wheelabrator which was at work. Hardening creates scale that becomes oil soaked in the drawing process that follows. This scale is then removed by blasting in this Tumblast Wheelabrator with abrasive powder. The Wheelabrator, filled with sockets or other tools, rotates during the blasting operation, thus removing all scale and giving the tool a semi-polished finish. The tools then go through a third grinding and polishing preparatory to plating.

Then we observed the Triple Spindle Drills in operation, where heads of Ratchet Handles are machined out. These Ratchet Handles are then fitted with inside parts, such as gears, springs, dogs, etc., and watchwork precision is truly required for this operation—and the user should bear this fact in mind in the use and care of the tool.

In leaving the plant we passed through a section of the shipping room—but being wartime it was observed that the stock bins were almost empty—the tools not reaching the stock bins, but going direct to the packers, being shipped against back orders awaiting factory runs.

The visit through the plant was most enjoyable and highly educational, and if I were a buyer of service tools and knew as much as I know now after a trip through the Cornwell plant, I would leave a standing order with Cornwell for all my tool needs.



Machining out Ratchet Handle heads under triple spindle drills. With watchwork precision they are then assembled with gears, springs, dogs, etc.



Illustration showing a section of our stock and shipping room.



A corner of our general office.

Guarantee

CORNWELL QUALITY TOOLS are built to meet the most exacting requirements of professional mechanics. They are the products of a Company who is the ORIGINATOR of the highest quality tools ever offered the American mechanic and they still maintain that enviable position and reputation.

Every tool is guaranteed against defects in material and workmanship and will gladly be replaced free of charge when PROVEN defective within these limits.

For several reasons we cannot replace tools that have been abused, or misused, by careless grinding or attempts to change the design of the tool, re-edging cutting type pliers, etc., or tools that have been deliberately broken and particularly Screw Drivers that have been broken while being used as Pry Bars, or broken when used for a purpose other than that for which they are made.

We cannot replace tools that have been worn out from actual use, or become obsolete through changes in design of automobile engines and cars, or improved design in the tool itself.

Our guarantee always has been and always will be faithfully lived up to. All adjustments will be made promptly on the basis of our fair dealing with you and your fair dealing with us.

The Cornwell Quality Tools Co.

Coast-to-Coast Cornwell Tool Service

*Prompt delivery can be made on all orders from complete
tool stocks warehoused by our many Distributors from
coast to coast as listed below. Consult your nearest
Cornwell distributor on your tool problems
— he is a trained tool engineer.*

CORNWELL DISTRIBUTORS

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1419 East Palm Lane
(Phone) —
42498

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9023 Olin Street
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Chicago 30, Illinois
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(Phone) Riley 9281

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Baltimore 18, Maryland
(Phone) Belmont 9449

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St. Paul, Minnesota
Phones
Minneapolis — Nestor 4235
St. Paul — Cedar 2922

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(Phone) Jackson 7965

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(Phone) Algonquin 4-8965

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(Phone) Bigelow 2-4009

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Albuquerque, New Mexico
(Phone) 7698

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Buffalo 17, New York
(Phone) Delaware 9031

403 E. 187th St.
New York 58, N. Y.
(Phone) Sedgwick 3-1745

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Akron 12, Ohio
(Phone) Stadium 6701

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(Phone) Montrose 1374-J

1405 Ridgeway
Canton, Ohio
(Phone) Canton 6606

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(Phone) Troy 28111

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(Phone) Michigan 9351

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(Phone) Fernwood 2204

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Chillicothe, Ohio
(Phone) 26026

Cortland, Ohio
(Phone) Red 205

2831 Park Drive
Cuyahoga Falls, Ohio
(Phone) Walbridge 1972

416 Hadley Avenue
Dayton 9, Ohio
(Phone) Walnut 4198

1350 Ethel Avenue
Lakewood, Ohio
(Phone) Lakewood 6193

Cornwell Quality Tools Co.
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645 N. Main Street
Lima, Ohio
(Phone) 4-2131

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Steubenville, Ohio
(Phone) 23573

R. D. #1
Suffield, Ohio
(Phone) Hartville 2391

816 Madison St.
Toledo, Ohio
(Phone) Main 9427

605½ Market Street
Zanesville, Ohio
(Phone) 1458 RX

1335 S. Peoria
Tulsa, Oklahoma
(Phone) 44223

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(Phone) Atwater 5400

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Philadelphia 11, Penna.
(Phone) Pilgrim 5-0533

1618 Broadway St.
Pittsburgh 16, Penna.
(Phone) Fieldbrook 0770

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Memphis, Tennessee
(Phone) 58810 or 21097

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(Phone) C-45495

515 N. 10th St.
Waco, Texas
(Phone) 21054 W

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Salt Lake City, Utah
(Phone) 8-2761

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3509 Fremont Place
Seattle 3, Washington
(Phone) Sh 7369

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405 Brooks Street
Charleston, W. Va.
(Phone) Capitol 23-026

WISCONSIN

3922 W. Vliet St.
Milwaukee 8, Wisconsin
(Phone) West 5090

* * *

CANADIAN DISTRIBUTORS

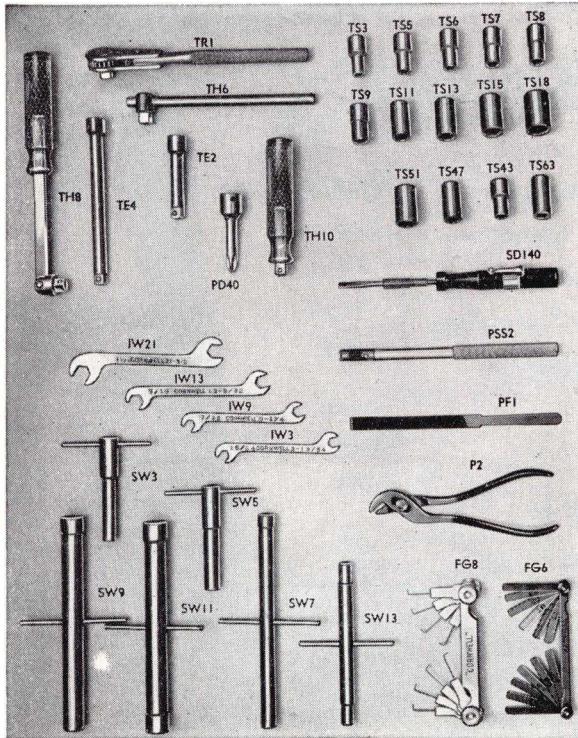
191 Queen St., East
Toronto, Ontario

ALASKA DISTRIBUTORS

P. O. Box 840
Anchorage, Alaska

EXPORT DIVISION

Box No. 38
Mogadore, Ohio
(Phone) Stadium 1278



6-Pt.



8-Pt.



12-Pt.

TINY SOCKETS

1/4" Drive

Cornwell Sockets and Handles are for general use. The space allotted for a socket or handle may be "all outdoors" or it may be less than that of good engineering. In any event, Cornwell is equal to the requirements.

Cornwell "Tiny" Sockets are designed for servicing "tiny" fittings where space is limited. Light in dimensions and weight but Herculean in strength.

Can be purchased in sets or individually.

Individual Sockets, Handles and Ignition Accessories

Order No.	Description	Price
TH8	Tiny Flex Handle.....	
TE4	Tiny Extension 4" long.....	
TE2	Tiny Extension 2" long.....	
TR1	Tiny Ratchet 5" long.....	
TH6	Tiny Sliding Tee Bar Handle.....	
PD40	"Phillips type" Socket Screw Driver.....	
TH10	Tiny "Spin" Handle 3" long.....	
TS3	$\frac{1}{16}$ " hex. opening Socket.....	
TS5	$\frac{3}{32}$ " hex. opening Socket.....	
TS6	$\frac{15}{64}$ " hex. opening Socket.....	
TS7	$\frac{1}{4}$ " hex. opening Socket.....	
TS8	$\frac{17}{64}$ " hex. opening Socket.....	
TS9	$\frac{9}{32}$ " hex. opening Socket.....	
TS11	$\frac{15}{64}$ " hex. opening Socket.....	
TS13	$\frac{3}{8}$ " hex. opening Socket.....	
TS15	$\frac{17}{64}$ " hex. opening Socket.....	
TS18	$\frac{1}{16}$ " hex. opening Socket.....	
TS43	$\frac{3}{16}$ " double square opening, eight point Socket....	
TS47	$\frac{1}{4}$ " double square opening, eight point Socket....	
TS51	$\frac{15}{64}$ " double square opening, eight point Socket....	
TS63	Plymouth Panel Screw Socket.....	
SD140	5" Shock Proof Spark Testing Screw Driver.....	
PSS2	5" Pearson Screw Starter.....	
PF1	5" long Point File.....	
P2	4 $\frac{1}{2}$ " long Ignition Plier.....	
FG6	Ignition Gauge	
FG8	Spark Plug Gauge.....	
IW3	$\frac{13}{64} \times \frac{15}{64}$ ", 3" long Ignition Wrench.....	
IW9	$\frac{1}{4} \times \frac{7}{32}$ ", 3" long Ignition Wrench.....	
IW13	$\frac{9}{32} \times \frac{5}{16}$ ", 3" long Ignition Wrench.....	
IW21	$\frac{3}{8} \times \frac{11}{32}$ ", 3" long Ignition Wrench.....	
SW3	Stromberg Carburetor Jet Wrench.....	
SW5	Stromberg Carburetor Jet Wrench.....	
SW7	$\frac{9}{32} \times \frac{5}{16}$ " opening Carburetor and Ignition Wrench	
SW9	$\frac{11}{32} \times \frac{3}{8}$ " opening Carburetor and Ignition Wrench	
SW11	$\frac{13}{64} \times \frac{7}{16}$ " opening Carburetor and Ignition Wrench	
SW13	Trico Windshield Wiper Wrench.....	

CORNWELL

Quality Tools

The No. SK101 is a condensed set of sockets with extra thin walls and extra deep openings in the $\frac{1}{8}$ " overall length and where socket space is limited and protruding bolts require extra depth.

Many combinations can be made from the handles included affording accessibility and speed on small mechanical assemblies.

TINY SET $\frac{1}{4}$ " SERVICE AND HANDLES

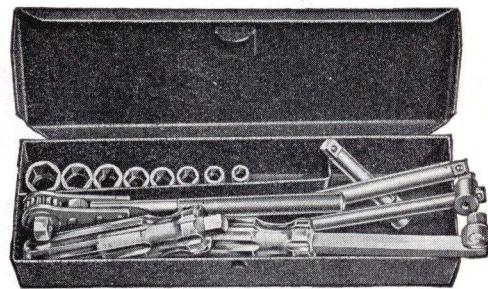
Order No.	Description	Price
TR1	Ratchet	
TH8	Flex Handle	
TE2	2" Extension	
TE4	4" Extension	
TH6	Sliding Tee Bar	
TH10	3" Spin Handle	
TS3	$\frac{3}{16}$ " Opening Hex. Socket	
TS5	$\frac{7}{32}$ " Opening Hex. Socket	
TS7	$\frac{1}{4}$ " Opening Hex. Socket	
TS9	$\frac{9}{32}$ " Opening Hex. Socket	
TS11	$\frac{5}{16}$ " Opening Hex. Socket	
TS13	$\frac{11}{32}$ " Opening Hex. Socket	
TS15	$\frac{3}{8}$ " Opening Hex. Socket	
TS18	$\frac{13}{16}$ " Opening Hex. Socket	

No. SK101 Complete in neat steel box.....
Box only when ordering separately.....

The No. SK102 set illustrated consists of all of the Tiny Sockets and Handles and such other small tools that are applicable to work where these type of tools are needed, such as carburetor, ignition and radio work.

Order No.	Description	Price
TR1	Ratchet	
TH8	Tiny Flex Handle	
TE4	Tiny Extension 4" long	
TE2	Tiny Extension 2" long	
TH6	Tiny Sliding Tee Bar Handle	
PD40	"Phillips type" Socket Screw Driver	
TH10	Tiny "Spin" Handle 3" long	
TS3	$\frac{3}{16}$ " hex. opening Socket	
TS5	$\frac{7}{32}$ " hex. opening Socket	
TS6	$\frac{1}{4}$ " hex. opening Socket	
TS7	$\frac{11}{32}$ " hex. opening Socket	
TS8	$\frac{13}{32}$ " hex. opening Socket	
TS9	$\frac{1}{2}$ " hex. opening Socket	
TS11	$\frac{15}{32}$ " hex. opening Socket	
TS13	$\frac{17}{32}$ " hex. opening Socket	
TS15	$\frac{5}{8}$ " hex. opening Socket	
TS18	$\frac{19}{32}$ " hex. opening Socket	
TS43	$\frac{3}{16}$ " double square opening, eight point Socket	
TS47	$\frac{1}{4}$ " double square opening, eight point Socket	
TS51	$\frac{5}{16}$ " double square opening, eight point Socket	
TS63	Plymouth Panel Screw Socket	
SD140	5" Shock Proof Spark Testing Screw Driver	
PSS2	5" Pearson Screw Starter	
PFI	5" long Point File	
P2	4 $\frac{1}{2}$ " long Ignition Plier	
FG6	Ignition Gauge	
FG8	Spark Plug Gauge	
IW3	$\frac{13}{32}$ " x $\frac{15}{32}$ ", 3" long Ignition Wrench	
IW9	$\frac{1}{4}$ " x $\frac{15}{32}$ ", 3" long Ignition Wrench	
IW13	$\frac{3}{8}$ " x $\frac{15}{32}$ ", 3" long Ignition Wrench	
IW21	$\frac{3}{8}$ " x $\frac{11}{32}$ ", 3" long Ignition Wrench	
SW3	Stromberg Carburetor Jet Wrench	
SW5	Stromberg Carburetor Jet Wrench	
SW7	$\frac{3}{8}$ " x $\frac{5}{16}$ " opening Carburetor and Ignition Wrench	
SW9	$\frac{11}{32}$ " x $\frac{3}{8}$ " opening Carburetor and Ignition Wrench	
SW11	$\frac{11}{32}$ " x $\frac{7}{16}$ " opening Carburetor and Ignition Wrench	
SW13	Trico Windshield Wiper Wrench	

No. SK102 As illustrated, including box.....
Box only when ordering separately.....



SK101



SK102

CORNWELL

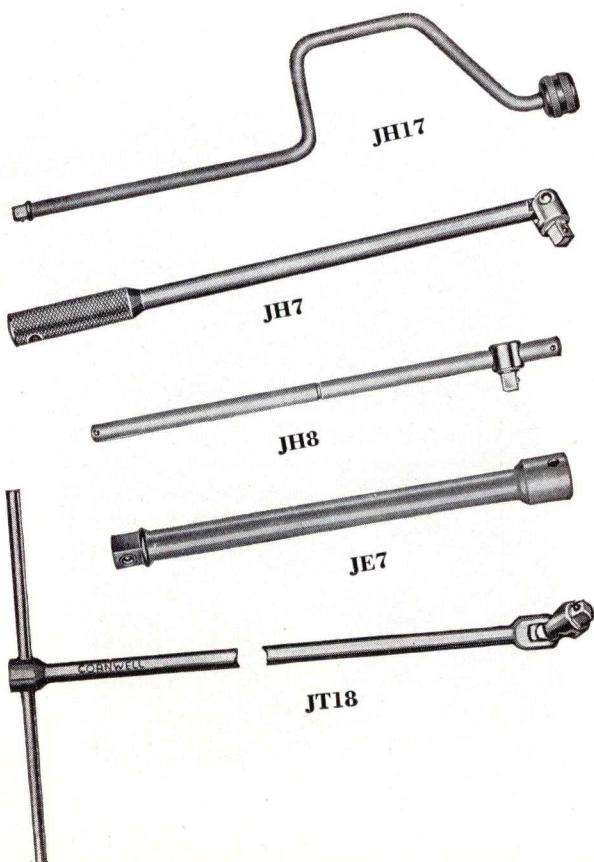
Quality Tools



Section View

The sectional views show the mechanism of the trigger type and clutch type of ratchets, which has the same mechanism in $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{3}{4}$ " and 1" square drive ratchets.

Closed "streamlined" ratchets are precision instruments. It is most essential that the working parts are kept clean and well lubricated for long and efficient service.



Junior Sockets, Handles and Attachments $\frac{3}{8}$ " Sq. Drive

The Junior line of sockets in $\frac{3}{8}$ " square drive fit into maintenance of all classes. The range is from $\frac{1}{4}$ " opening to $\frac{3}{4}$ " opening inclusive. Bolts and nuts in this range are often hidden where a larger dimension socket or handle would not fit in, or a smaller handle would not afford sufficient leverage. Our full $\frac{3}{8}$ " line is shown on the following pages.

Junior Ratchets

The JR1 sectional view shows the "clutch type" of ratchet with 104 points to the circle—it is reversible by turning it over. The JR2 sectional view shows the "trigger" type with twenty-four points. Can be reversed for "on or off" by a flip of the trigger.

Order No.	Length	Price
JR1	6"	
JR2	7"	

Junior $\frac{3}{8}$ " Sq. Drive Speeders

All Cornwell Speed Handles are made from our Special Chrome-Moly Alloy steel. Forged square end makes them the strongest handles of their kind on the market.

Order No.	Stock Size	Shank	Overall	Price
JH17	$\frac{7}{16}$ "	9"	17"	
JH26	$\frac{7}{16}$ "	18"	26"	
JH34	$\frac{7}{16}$ "	26"	34"	

Junior Flex Handle

An all-purpose handle with five definite positions for working at any angle when breaking loose or spinning off.

Order No.	Stock Size	Length	Price
JH7	$\frac{1}{4}$ " x 7"		

Sliding Bar Tee Handles

Has friction ball for holding at any given point; the bar has center groove giving quick balance for spinning.

Order No.	Stock Size	Length	Price
JH8	$\frac{7}{16}$ "	8"	

Junior Extensions

Male and female ends are forged on solid bar for utmost strength. Made in six lengths to meet any requirements.

Order No.	Size and Length	Price
JE2	$\frac{3}{8}$ " x $1\frac{1}{2}$ "	
JE4	$\frac{3}{8}$ " x $3\frac{1}{2}$ "	
JE7	$\frac{7}{16}$ " x 7"	
JE12	$\frac{7}{16}$ " x 12"	
JE18	$\frac{7}{16}$ " x 18"	
JE24	$\frac{7}{16}$ " x 24"	

Universal "T" Handle

This Universal "T" Handle is equipped with a $\frac{3}{8}$ " Male Service Connection. Can be used with any $\frac{3}{8}$ " Service Socket, thus making a Universal "T" Wrench of a thousand uses.

Order No.	Length	Price
JT18	18"	
JT24	24"	

Junior Attachments 3/8" Sq. Drive

Cornwell Elbow Sockets

For gas and oil line fittings.

Order No.	Opening	Price
JS32	7/16"	
JS34	1/2"	
JS36	9/16"	

Crowfoot Open End Wrenches for "Round-the-corner" Jobs

Order No.	Opening	Price
JC10	1/2"	
JC12	9/16"	

Clutch Type Socket Screw Driver

For steering post screws on 1940 Pontiacs. Blade is 13/32" wide and 9/64" thick.

Order No.	Price
JDL3	

Drag Link Sockets

For tie-rod ends or any screw slot with 11/16" length.

Order No.	Width	Price
JDL1	11/16"	

Socket Type Screw Drivers

For Phillips Cross Slot Screws where speed and leverage is required.

Order No.	Length	Point	Price
PD45	2 5/8"	No. 2	
PD50	2 5/8"	No. 3	
PD55	2 5/8"	No. 4	

Cornwell Socket Screw Driver

For conventional screws, where speed and leverage is required.

Order No.	Service	Length	Width Bit	Price
SD52	3/8"	3 1/4"	5/16"	

Chevrolet Pan Screw Socket

Self holding screw socket for speed and convenience.

Order No.	Price
JS40	Models through 1939
JS41	Models later than 1939



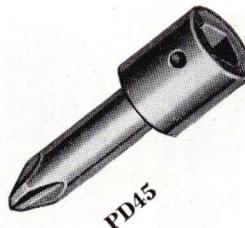
JS32



JC12



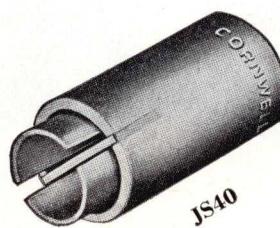
JDL3



PD45



SD52



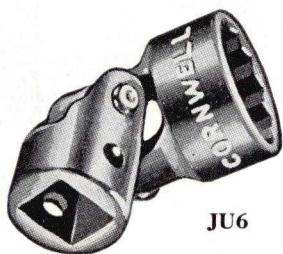
JS40

CORNWELL

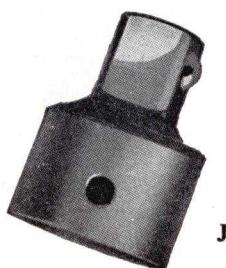
Quality Tools



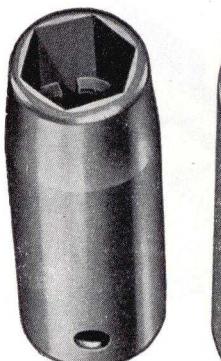
JU1



JU6



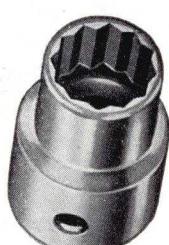
JA2



JDS66



JDS82



JS6



6 Pt.



8 Pt.



12 Pt.

**Junior Sockets
3/8" Sq. Drive
Universal Joint**

Order No.	Size 3/8" Service	Price
JU1		

Cornwell "Staput" Universal Sockets

The exclusive "Staput" feature embodies spring tension in the construction and holds the socket in the required position.

12 Point Type

Order No.	Size	Price	Order No.	Opg. Size	Price
JU6	3/8"		JU56	3/8"	
JU8	5/16"		JU58	7/16"	
JU10	1/2"		JU60	1/2"	
JU12	9/16"		JU62	9/16"	
JU14	5/8"		JU64	5/8"	
JU16	11/16"				
JU18	3/4"				

6 Point Type

Order No.	Size	Price	Order No.	Opg. Size	Price
JU6	3/8"		JU56	3/8"	
JU8	5/16"		JU58	7/16"	
JU10	1/2"		JU60	1/2"	
JU12	9/16"		JU62	9/16"	
JU14	5/8"		JU64	5/8"	
JU16	11/16"				
JU18	3/4"				

Socket Adaptors

For adapting 3/8" square drive sockets or handles to sockets or handles next above or below 3/8" dimension.

Order No.	Dimensions	Price
TA5	3/8" Female x 1/4" Male	
TA7	3/8" Female x 5/8" Male	
JA2	1/2" Female x 3/8" Male	
SA2	3/8" Female x 1/2" Male	

Junior Sockets — 15/16" Lengths

Dbl. Hex. Opg.	6 Pt.		Sgl. Hex. Opg.	U.S.S.	Amer. Std.	
	12 Pt.	S.A.E.				
Order No.	Opg. Size	Order No.	Price	Nuts	Cap	Screw
---	---	JS62	---	---	---	---
---	5/16"	JS64	---	---	---	---
JS 6	3/8"	JS66	---	---	15/16"	---
JS 8	7/16"	JS68	1/4"	---	1/4"	1/4"
JS 9	5/8"	---	---	---	---	---
JS10	11/16"	JS70	5/8"	1/4"	5/16"	15/16"
JS12	3/4"	JS72	3/8"	---	3/8"	3/8"
JS14	13/16"	JS74	15/16"	---	15/16"	15/16"
JS16	15/16"	---	---	3/8"	3/8"	15/16"
JS18	3/4"	---	---	1/2"	1/2"	15/16"

Junior Deep Sockets — 8 Point — 1 3/4" Lengths

Order No.	Size	Price
JDS82	3/8"	
JDS84	5/16"	
JDS86	1/2"	

Junior Deep Sockets

SINGLE HEX — 6 POINT				DOUBLE HEX — 12 POINT			
Order No.	Opening	Length	Price	Order No.	Opening	Length	Price
JDS66	3/8"	1 3/4"		JDS12	5/16"	1 3/4"	
JDS68	7/16"	1 3/4"		JDS14	5/8"	1 3/4"	
JDS70	1/2"	1 3/4"		JDS16	11/16"	1 3/4"	
JDS72	9/16"	2 1/4"		JDS18	3/4"	1 3/4"	
JDS74	5/8"	2 1/4"		JDS21	1 1/8"	2 3/4"	
JDS75	5/8"	2 1/2"		JDS23	7/8"	2 3/4"	
JDS76	11/16"	2 1/2"		JDS27	1"	2 3/4"	
JDS78	3/4"	2 1/2"					

CORNWELL

Quality Tools

Deep Socket Sets 3/8" Sq. Drive

These sets are arranged with a view of servicing special jobs where the bolt extends through the nut, or is in channels or recesses. Also for spark plug service. In the Cornwell line you will find a set to suit your requirements.

SK40 Includes Tray
Tray separately

Set consists of one each of the following:

Order No.	Size	Opening	Points	Length	Price
JDS72	$\frac{1}{8}$ "		6	$2\frac{1}{4}$ "	
JDS74	$\frac{5}{8}$ "		6	$2\frac{1}{4}$ "	
JDS76	$\frac{11}{16}$ "		6	$2\frac{1}{4}$ "	
JDS21	$\frac{13}{16}$ "		12	$2\frac{3}{4}$ "	
JDS23	$\frac{7}{8}$ "		12	$2\frac{3}{4}$ "	
JDS27	1"		12	$2\frac{3}{4}$ "	



SK41 Includes Tray
Tray separately

Set consists of one each of the following:

Order No.	Size	Opening	Points	Length	Price
JDS66	$\frac{3}{8}$ "		6	$1\frac{3}{4}$ "	
JDS68	$\frac{7}{16}$ "		6	$1\frac{3}{4}$ "	
JDS70	$\frac{1}{2}$ "		6	$1\frac{3}{4}$ "	
JDS12	$\frac{9}{16}$ "		12	$1\frac{3}{4}$ "	
JDS14	$\frac{5}{8}$ "		12	$1\frac{3}{4}$ "	
JDS16	$\frac{11}{16}$ "		12	$1\frac{3}{4}$ "	
JDS18	$\frac{3}{4}$ "		12	$1\frac{3}{4}$ "	



SK42 Includes Tray
Tray separately

Set consists of one each of the following:

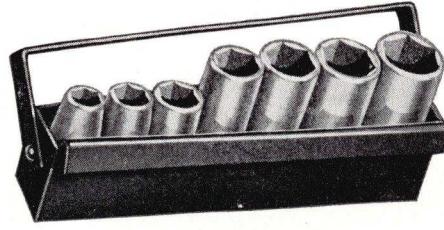
Order No.	Size	Opening	Points	Length	Price
JDS66	$\frac{3}{8}$ "		6	$1\frac{3}{4}$ "	
JDS68	$\frac{7}{16}$ "		6	$1\frac{3}{4}$ "	
JDS70	$\frac{1}{2}$ "		6	$1\frac{3}{4}$ "	
JDS72	$\frac{9}{16}$ "		6	$2\frac{1}{4}$ "	
JDS74	$\frac{5}{8}$ "		6	$2\frac{1}{4}$ "	
JDS76	$\frac{11}{16}$ "		6	$2\frac{1}{4}$ "	
JDS78	$\frac{3}{4}$ "		6	$2\frac{1}{4}$ "	
JDS21	$\frac{13}{16}$ "		12	$2\frac{3}{4}$ "	
JDS23	$\frac{7}{8}$ "		12	$2\frac{3}{4}$ "	
JDS27	1"		12	$2\frac{3}{4}$ "	



SK44 Includes Tray
Tray separately

Set consists of one each of the following:

Order No.	Size	Opening	Points	Length	Price
JDS66	$\frac{3}{8}$ "		6	$1\frac{3}{4}$ "	
JDS68	$\frac{7}{16}$ "		6	$1\frac{3}{4}$ "	
JDS70	$\frac{1}{2}$ "		6	$1\frac{3}{4}$ "	
JDS72	$\frac{9}{16}$ "		6	$2\frac{1}{4}$ "	
JDS74	$\frac{5}{8}$ "		6	$2\frac{1}{4}$ "	
JDS76	$\frac{11}{16}$ "		6	$2\frac{1}{4}$ "	
JDS78	$\frac{3}{4}$ "		6	$2\frac{1}{4}$ "	



CORNWELL

Quality Tools



SK2



SK4A

Cornwell "Junior" Socket Sets 3/8" Sq. Service

Our line of Cornwell Junior Socket Sets consists of four combinations, that you may select the set most adapted to your requirements.

These sets are made in combinations for the Junior mechanic with limited requirements, or for the professional with a full range of tools and combinations.

The sets are put up in sturdy steel cases with compartments, for orderly arrangement of the tools.

Junior Socket Kit No. SK2

The SK2 set consists of a limited number of tools and combinations, with sockets ranging from $\frac{3}{8}$ " to $\frac{3}{4}$ " inclusive, with handles and extensions for minor services.

It is put up in a sturdy steel case for orderly arrangement of the tools.

Order No.	Item	Price
JH17	Speeder	
JH7	Flex Handle	
JE4	3 $\frac{1}{2}$ " Extension	
JE7	7 " Extension	
JE12	12 " Extension	
JS6	$\frac{3}{8}$ " Twelve Point Socket	
JS8	$\frac{1}{8}$ " Twelve Point Socket	
JS10	$\frac{1}{2}$ " Twelve Point Socket	
JS12	$\frac{5}{8}$ " Twelve Point Socket	
JS14	$\frac{3}{8}$ " Twelve Point Socket	
JS16	$\frac{11}{16}$ " Twelve Point Socket	
JS18	$\frac{3}{4}$ " Twelve Point Socket	
SK2	Steel Case when sold with Tool Set Minor Service Set Cornwell Jr. Sockets Box only when ordered separate	

Junior Socket Kit No. SK4A

The SK4A set has a full range of nine sockets from $\frac{1}{4}$ " to $\frac{3}{4}$ " inclusive, with Ratchet, Speeder, Flex Handle, Extensions, Universal and Screw Driver.

Cased in sturdy steel box of full size, with provision for later additions to the set.

Order No.	Item	Price
JR2	6 " Ratchet	
JH17	Speeder	
JH7	Junior Flex Handle	
JE2	1 $\frac{1}{2}$ " Extension (Junior)	
JE4	3 $\frac{1}{2}$ " Extension (Junior)	
JE7	7 " Extension	
JE12	12 " Extension	
JS62	$\frac{1}{4}$ " Six Point Socket	
JS64	$\frac{5}{16}$ " Six Point Socket	
JS6	$\frac{3}{8}$ " Twelve Point Socket	
JS8	$\frac{7}{16}$ " Twelve Point Socket	
JS10	$\frac{1}{2}$ " Twelve Point Socket	
JS12	$\frac{9}{16}$ " Twelve Point Socket	
JS14	$\frac{5}{8}$ " Twelve Point Socket	
JS16	$\frac{11}{16}$ " Twelve Point Socket	
JS18	$\frac{3}{4}$ " Twelve Point Socket	
JU1	Universal Joint	
SK4	Heavy Gauge Steel Case	
SK4A	The Above Tools and Case	

CORNWELL

Quality Tools

Junior Socket Kits— $\frac{3}{8}$ " Sq. Service

Junior Socket Kit No. SK4B

This junior set offers a broad range of sockets and accessories, as follows.

JDL1	Drag Link
SD52	Socket Driver
JU6	$\frac{3}{8}$ " Universal Socket
JU8	$\frac{1}{2}$ " Universal Socket
JU10	$\frac{1}{2}$ " Universal Socket
JU12	$\frac{1}{2}$ " Universal Socket
JU14	$\frac{5}{8}$ " Universal Socket
JU16	$\frac{11}{16}$ " Universal Socket
JU18	$\frac{3}{4}$ " Universal Socket
JR2	6" Ratchet
JH17	17" Speeder
JH7	7" Flex Handle
JE2	1 $\frac{1}{2}$ " Extension (Junior)
JE4	3 $\frac{1}{2}$ " Extension (Junior)
JE7	7" Extension
JE12	12" Extension
JS62	$\frac{1}{4}$ " Six Point Socket
JS64	$\frac{1}{8}$ " Six Point Socket
JS6	$\frac{3}{8}$ " Twelve Point Socket
JS8	$\frac{7}{16}$ " Twelve Point Socket
JS10	$\frac{1}{2}$ " Twelve Point Socket
JS12	$\frac{1}{8}$ " Twelve Point Socket
JS14	$\frac{5}{8}$ " Twelve Point Socket
JS16	$\frac{11}{16}$ " Twelve Point Socket
JS18	$\frac{3}{4}$ " Twelve Point Socket
SK4	Heavy Gauge Steel Case

SK4B The Above Tools and Case



SK4B

Junior Socket Kit No. SK4C

This set is the "Master Set" in the $\frac{3}{8}$ " square drive, with a full line of sockets and accessories.

JDS66	$\frac{3}{8}$ " Six Point Deep Socket
JDS68	$\frac{1}{8}$ " Six Point Deep Socket
JDS70	$\frac{1}{2}$ " Six Point Deep Socket
JDS72	$\frac{1}{8}$ " Six Point Deep Socket
JDS75	$\frac{5}{8}$ " Six Point Deep Socket
JDS76	$\frac{11}{16}$ " Six Point Deep Socket
JDS78	$\frac{3}{4}$ " Six Point Deep Socket
JDS80	$\frac{13}{16}$ " Six Point Deep Socket
JDS83	$\frac{7}{8}$ " Six Point Deep Socket
JDS85	$\frac{13}{16}$ " Six Point Deep Socket
JDS87	1" Six Point Deep Socket
JR2	6" Ratchet
JH17	17" Speeder
JH7	7" Flex Handle
JE2	1 $\frac{1}{2}$ " Extension (Junior)
JE4	3 $\frac{1}{2}$ " Extension (Junior)
JE7	7" Extension
JE12	12" Extension
JS62	$\frac{1}{4}$ " Six Point Socket
JS64	$\frac{1}{8}$ " Six Point Socket
JS6	$\frac{3}{8}$ " Twelve Point Socket
JS8	$\frac{7}{16}$ " Twelve Point Socket
JS10	$\frac{1}{2}$ " Twelve Point Socket
JS12	$\frac{1}{8}$ " Twelve Point Socket
JS14	$\frac{5}{8}$ " Twelve Point Socket
JS16	$\frac{11}{16}$ " Twelve Point Socket
JS18	$\frac{3}{4}$ " Twelve Point Socket
JDL1	Drag Link
SD52	Socket Driver
JU6	$\frac{3}{8}$ " Universal Socket
JU8	$\frac{1}{2}$ " Universal Socket
JU10	$\frac{1}{2}$ " Universal Socket
JU12	$\frac{1}{8}$ " Universal Socket
JU14	$\frac{5}{8}$ " Junior Universal Socket
JU16	$\frac{11}{16}$ " Universal Socket
JU18	$\frac{3}{4}$ " Universal Socket
SK4	Heavy Gauge Steel Case



SK4C

SK4C All the Tools Above and Case

CORNWELL

Quality Tools



SR15A



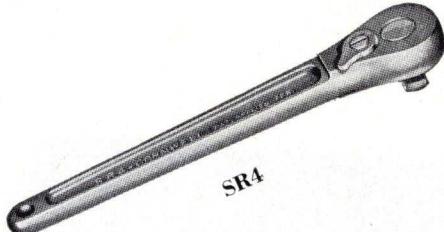
SR10L



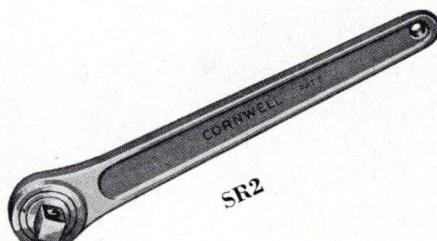
SR12L



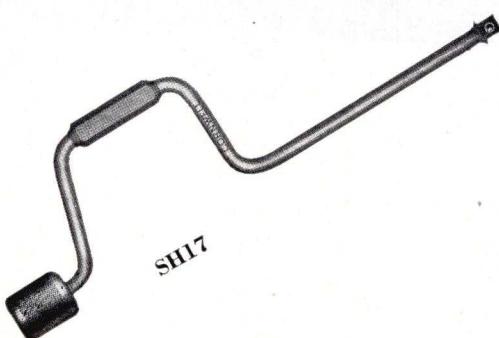
SR15



SR4



SR2



SH17

Standard Sockets and Handles

1/2" Sq. Drive

Our $\frac{1}{2}$ " line of Sockets and Handles takes us into the intermediate service where the need is for heavier duty than the smaller drives. It overlaps into the small drives and reaches into the heavier duty drives.

The thin wall provides access where wrench space is limited, yet Cornwell processing provides the required strength equal to ordinary tools of much heavier construction.

Cornwell "4 in 1" Ratchet

We consider this new "4 in 1" ratchet far in advance of anything that is offered in the ratchet field. As the illustration shows, there are three different lengths of handles that screw into the head, making a very solid assembly without any "wobble." The ratchet handles come in three different lengths and when assembled with head make 10", 12" and 15" ratchets as shown at right. "Head Only" $4\frac{1}{4}$ " O. A.

Order No.	Length	Complete Ratchet Price
SR10	10"	
SR12	12"	
SR15	15"	
SR100	Ratchet Head and 3 length handles	

Price List of Separate Parts

SR10L	Short Handle
SR12L	Medium Handle
SR15L	Long Handle
SR15A	Ratchet Head Only

Standard Service Ratchet — Trigger Type

A Ratchet is a most useful tool so long as the head dimensions are held down to minimum space requirements. We offer the "trigger" type in 24-point with the trigger reverse feature. A flip of the trigger gives "on or off" operation.

Order No.	Length	Price
SR4	10"	

Standard Service Ratchet — Clutch Type

The Cornwell "clutch" type Ratchet is of our own "patented" design, being the result of much study and testing. It operates on the basis of an over-running clutch, which takes hold at any point when in an "on or off" position. It has 270 individual holds in the full circle, with 144 teeth simultaneously engaged for each pull. A nut or bolt can be advanced forward or backward with handle movement no more than $1\frac{1}{2}$ inches.

Order No.	Length	Price
SR2	10"	

Cornwell Speeders

All Cornwell Speed Handles are made from our Special Chrome-Moly Alloy steel. Forged square ends make them the strongest handles of their kind on the market.

Order No.	Stock Size	Shank	Overall	Price
SH13	$\frac{1}{2}$ "	5"	13"	
SH17	$\frac{1}{2}$ "	9"	17"	
SH28	$\frac{1}{2}$ "	19"	28"	
SH33	$\frac{1}{2}$ "	24"	33"	

CORNWELL

Quality Tools

Sockets and Handles

1/2" Sq. Drive

Sliding Bar Tee Handles

Has friction ball for holding at any given point; the bar has center groove for quick balance for spinning.

Order No.	Length	Stock Size	Price
SH8	12"	1/6"	
SH10	16"	1/6"	

Standard Flex Handle

An all-purpose handle with five positive positions for working at any angle when breaking loose or spinning off.

Order No.	Stock Size	Length	Price
SH12	5/8" x 12"		
SH15	5/8" x 15"		
SH18	5/8" x 18"		
SH24	5/8" x 24"		

Socket Wrench Extensions

Socket Wrench Extensions reach into various working depths. The following lengths meet any requirements.

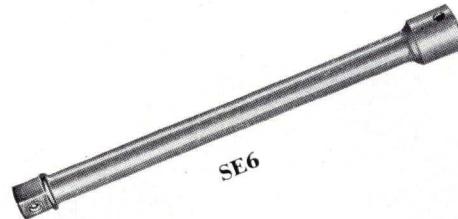
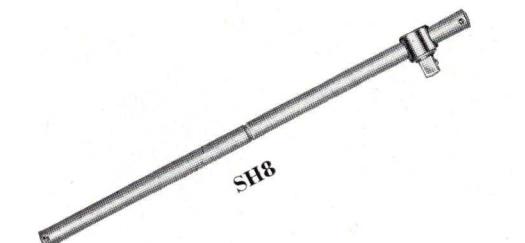
Order No.	Length	Size	Price
SE2	2"	1/2" Stock	
SE4	4"	1/6" Stock	
SE6	6"	3/8" Stock	
SE10	10"	1/6" Stock	
SE24	24"	5/8" Stock	
SE30	30"	5/8" Stock	

Standard 1/2" Service Sockets

12 Pt.			6 Pt.			Amer. Std.				
Dbl. Hex. Ogp.	Ogp. Size	Sgl. Hex. Ogp.	Ord. No.	Price	Length	S.A.E. Nuts	U.S.S. Nuts	U.S.S. Cap Screw	Nuts	Cap Screw
SS4	7/16"	SS54			1 5/8"	1/4"	-----	1/4"	1/4"	1/4"
SS6	1/2"	SS56			1 5/8"	1/6"	1/4"	1/6"	-----	1/6"
SS8	1 1/16"	SS58			1 5/8"	3/8"	-----	3/8"	1/6"	3/8"
SS9	1 9/16"	SS59			1 5/8"	-----	1/6"	-----	-----	-----
SS10	5/8"	SS60			1 5/8"	7/16"	-----	7/16"	3/8"	7/16"
SS11	3/2"	SS61			1 5/8"	-----	-----	-----	-----	-----
SS12	1 1/8"	SS62			1 5/8"	-----	3/8"	-----	-----	-----
SS14	3/4"	SS64			1 1/2"	1/2"	-----	1/2"	1 7/8"	1/2"
SS15	2 5/8"	SS65			1 1/2"	-----	7/16"	-----	-----	-----
SS16	1 1/8"	SS66			1 5/8"	-----	1/8"	1/2"	1/8"	-----
SS18	7/8"	SS68			1 5/8"	1/6"	1/2"	5/8"	9/16"	5/8"
SS19	3 3/8"				1 5/8"	-----	-----	-----	-----	-----
SS20	1 5/8"	SS70			1 11/16"	5/8"	-----	5/8"	-----	-----
SS21	3 3/8"				1 11/16"	-----	1/8"	-----	-----	-----
SS22	1"				1 11/16"	11/16"	-----	3/4"	-----	3/4"
SS24	1 1/8"				1 3/4"	3/4"	5/8"	-----	-----	-----
SS26	1 1/8"				2"	-----	-----	7/8"	-----	-----
SS28	1 1/8"				2"	-----	-----	-----	-----	-----
SS30	1 1/4"				2"	7/8"	3/4"	1"	-----	-----

1/2" Service 8 Pt. Sockets

Order No.	Size	Price	U.S.S. Square Nut	U.S.S. Sq. Hd. Cap Sc.	U.S.S. Sq. Hd. Set Sc.	American Std.		
						Square Nut	Sq. Hd. Cap Sc.	Sq. Hd. Set Sc.
SS82	7/16"					5/8"	1/4"	1/4"
SS83	1/2"		1/4"	3/8"	1/2"	-----	-----	1/8"
SS84	1 1/16"					1/6"	-----	3/8"
SS85	5/8"					1/2"	5/8"	3/8"
2R11	1 1/8"		3/8"	1/2"	5/8"	-----	-----	1/8"
2R12	3/4"					5/8"	3/4"	7/16"
2R13	1 1/8"					-----	1/2"	9/16"
2R14	7/8"		1/2"	3/4"	7/8"	1/8"	5/8"	-----
2R16	1 1/8"					-----	-----	-----
2R18	1"					1"	-----	-----



CORNWELL

Quality Tools



Standard Sockets and Attachments

1/2" Sq. Drive

Cornwell Socket Screw Drivers

For leverage and speed on conventional screw heads.

Order No.	Length	Width Bit	Price
SD54	3 1/2"	1/8"	

Con-Rod Sockets (Not Replaceable)

Order No.	Ford V-8 6 point, 9/16" opening	Price
SS41		
IR-10A	Cadillac, 7/8" opening	

Cornwell "Staput" Universal Sockets

12 Pt. Style

Standard 1/2" Service

Order No.	Opg. Size	Price	Order No.	Opg. Size	Price
SU4	7/16"		SU54	1/8"	
SU6	1/2"		SU56	1/2"	
SU8	9/16"		SU58	9/16"	
SU10	5/8"		SU60	5/8"	
SU12	11/16"		SU62	11/16"	
SU14	3/4"		SU64	3/4"	

Universal Joints

Drag Link Sockets

Order No.	Width	Price	Order No.	Width	Price
SU1	1/2" Service		DL2	Standard 1 1/8"	
			DL4	Standard 1 1/8"	
			DL6	Standard 1 1/8"	
			DL8	Standard 1 1/4"	

Socket Adaptors

Order No.	Dimensions	Price
SA6	5/8" Female x 1/2" Male	
SA8	3/4" Female x 1/2" Male	
HA1	1/2" Female x 5/8" Male	

Crowfoot Open End Wrenches

Crowfoot Box Type Wrenches — 12 Point

Order No.	Price	Order No.	Price
SC6	1/2" opening	BC6	1/2" opening
SC8	9/16" opening	BC8	9/16" opening
SC10	5/8" opening	BC10	5/8" opening
SC12	11/16" opening	BC12	11/16" opening
SC14	3/4" opening	BC14	3/4" opening

Torque Wrench Attachments

For use with Torque Wrench on cylinder head work.

Order No.	Description	Price
OW66	5/8" Wide Sweep Buick	
OW70	3/4" Wide Sweep Chevrolet	
OW65	5/8" Close Sweep Buick	
OW69	3/4" Close Sweep Buick "41"	

CORNWELL

Quality Tools

Standard Socket Sets

1/2" Sq. Drive

Cornwell General Purpose Socket Set

The sockets in this set start with $\frac{7}{16}$ " opening and range upward in 32nds and 16ths to and including 1 $\frac{1}{4}$ ". Doesn't that cover "General Purposes"? The hinged "L" handle, 18" long, will break 'em loose or tighten 'em up; stand it straight up and it will "speed" 'em off or on. The three extensions, 2", 6" and 10" adds up to combined reach of 18" — and that covers all general purposes. The universal attachment gets under obstructions and around corners. The Drag Link attachment gets the front end work. The latest improved ratchet with CORNWELL sockets from $\frac{7}{16}$ " to 1 $\frac{1}{4}$ ", and the included attachments really put you at ease on all general purpose work.

ITEMIZED LISTING

Ord. No.	Size	Price	Ord. No.	Size	Price
SS4	$\frac{7}{16}$ "	12-pt. Socket.....	22	1"	12-pt. Socket.....
SS6	$\frac{1}{2}$ "	12-pt. Socket.....	24	$1\frac{1}{16}$ "	12-pt. Socket.....
SS8	$\frac{9}{16}$ "	12-pt. Socket.....	26	$1\frac{1}{8}$ "	12-pt. Socket.....
SS9	$\frac{11}{16}$ "	12-pt. Socket.....	28	$1\frac{1}{16}$ "	12-pt. Socket.....
SS10	$\frac{5}{8}$ "	12-pt. Socket.....	30	$1\frac{1}{4}$ "	12-pt. Socket.....
SS11	$\frac{21}{32}$ "	12-pt. Socket.....	DL2	$\frac{13}{16}$ "	Drag Link Socket
SS12	$\frac{13}{16}$ "	12-pt. Socket.....	SU1	Universal Joint	
SS14	$\frac{3}{4}$ "	12-pt. Socket.....	SR4	10"	Ratchet
SS15	$\frac{25}{32}$ "	12-pt. Socket.....	SH18	18"	Hinge Hd. Hdle...
SS16	$\frac{13}{16}$ "	12-pt. Socket.....	SE2	2"	Extension
SS18	$\frac{7}{8}$ "	12-pt. Socket.....	SE6	6"	Extension
SS19	$\frac{29}{32}$ "	12-pt. Socket.....	SE10	10"	Extension
SS20	$\frac{15}{16}$ "	12-pt. Socket.....			Hy Gauge Metal Box (with set only)

SK9 (25 separate units and box).....

"HANDI" SOCKET SET No. SK5 — 1/2" SERVICE

Ord. No.	Size	Price	Ord. No.	Size	Price
SS4	$\frac{7}{16}$ "	12-pt. Socket.....	SS15	$\frac{25}{32}$ "	12-pt. Socket.....
SS6	$\frac{1}{2}$ "	12-pt. Socket.....	SS16	$\frac{13}{16}$ "	12-pt. Socket.....
SS8	$\frac{9}{16}$ "	12-pt. Socket.....	SS18	$\frac{7}{8}$ "	12-pt. Socket.....
SS10	$\frac{5}{8}$ "	12-pt. Socket.....	SS20	$\frac{15}{16}$ "	12-pt. Socket.....
SS11	$\frac{33}{32}$ "	12-pt. Socket.....	SS22	1"	12-pt. Socket.....
SS12	$\frac{11}{16}$ "	12-pt. Socket.....	SS24	$1\frac{1}{16}$ "	12-pt. Socket.....
SS14	$\frac{3}{4}$ "	12-pt. Socket.....	SS26	$1\frac{1}{8}$ "	12-pt. Socket.....

SK5 Set (Complete including tray)

Tray only when ordered separately.....

"HANDI" SOCKET SET No. SK6 — 1/2" SERVICE

Ord. No.	Size	Price	Ord. No.	Size	Price
SS4	$\frac{7}{16}$ "	12-pt. Socket.....	SS16	$\frac{13}{16}$ "	12-pt. Socket.....
SS6	$\frac{1}{2}$ "	12-pt. Socket.....	SS18	$\frac{7}{8}$ "	12-pt. Socket.....
SS8	$\frac{9}{16}$ "	12-pt. Socket.....	SS20	$\frac{15}{16}$ "	12-pt. Socket.....
SS10	$\frac{5}{8}$ "	12-pt. Socket.....	SS22	1"	12-pt. Socket.....
SS11	$\frac{33}{32}$ "	12-pt. Socket.....	SS24	$1\frac{1}{16}$ "	12-pt. Socket.....
SS12	$\frac{11}{16}$ "	12-pt. Socket.....	SS26	$1\frac{1}{8}$ "	12-pt. Socket.....
SS14	$\frac{3}{4}$ "	12-pt. Socket.....	SS30	$1\frac{1}{4}$ "	12-pt. Socket.....
SS15	$\frac{25}{32}$ "	12-pt. Socket.....			

SK6 Set (Complete including tray)

Tray only when ordered separately.....

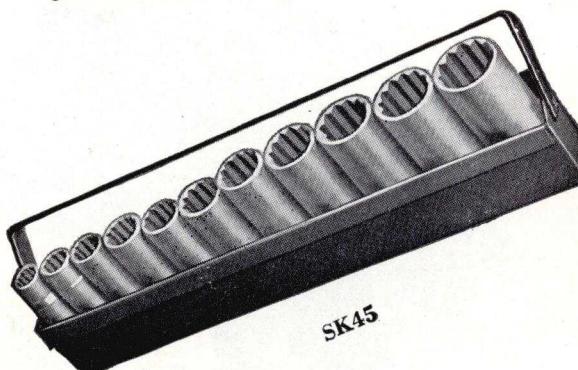
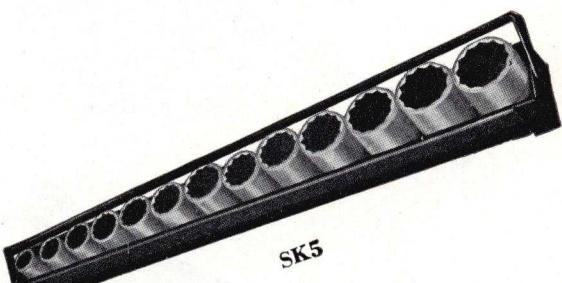
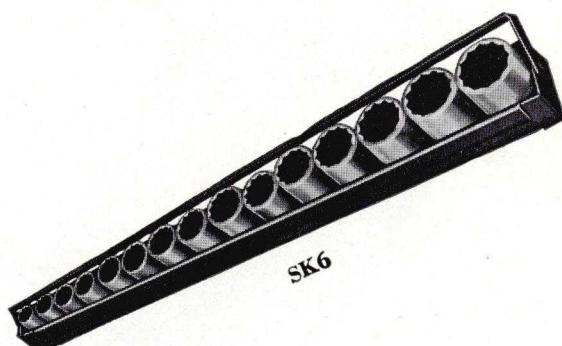
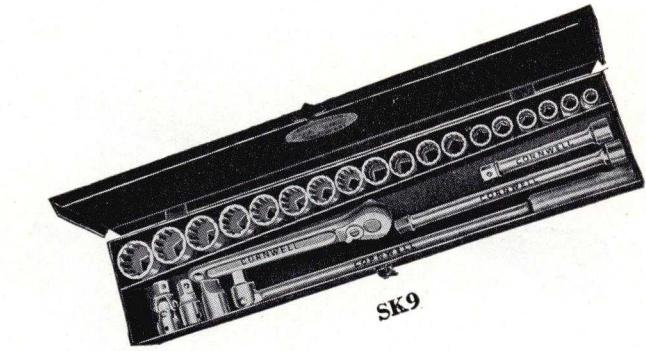
STANDARD DEEP SOCKET SET No. SK45 1/2" SERVICE REGULAR

Ord. No.	Size	Price	Ord. No.	Size	Price
DS6	$\frac{1}{2}$ "	12-pt. Socket.....	DS18	$\frac{7}{8}$ "	12-pt. Socket.....
DS8	$\frac{13}{16}$ "	12-pt. Socket.....	DS20	$\frac{15}{16}$ "	12-pt. Socket.....
DS10	$\frac{5}{8}$ "	12-pt. Socket.....	DS22	1"	12-pt. Socket.....
DS12	$\frac{11}{16}$ "	12-pt. Socket.....	DS24	$1\frac{1}{16}$ "	12-pt. Socket.....
DS14	$\frac{3}{4}$ "	12-pt. Socket.....	DS26	$1\frac{1}{8}$ "	12-pt. Socket.....
DS16	$\frac{15}{16}$ "	12-pt. Socket.....			

SK45 Set (Complete including tray)

Tray only when ordered separately.....

Our Deep Sockets are designed for work where the bolt extends through the nut, and for spark plug service. The inside has maximum clearance for bolts or spark plug porcelains.



Heavy Duty Socket Handles and Attachments

3/4" Sq. Drive

When HEAVY DUTY is mentioned, we refer to the type of work the heavy duty tools are to perform. This division of the line laps down into the Standard line starting with $\frac{7}{8}$ " and reaches up into the GIANT class with 2" opening.

The design of the tools is light, but "Cornwell processing" provides the required strength and equal to ordinary tools of much heavier construction.

Heavy Duty Ratchet

The King-Of-Them All

Order No.	Length	Price
HR1	20"	

The Regular No. HR1 Heavy Duty Ratchet has $\frac{3}{4}$ " square service and comes equipped with No. HR1F $\frac{3}{4}$ " x $\frac{3}{4}$ " adaptor, unless ordered otherwise. The Cornwell Heavy Duty Ratchet "The King-Of-Them All" is a clutch type of ratchet — illustrated and described on page 12. The following is table for adapting the HR1 Ratchet to sockets with smaller or larger square drive.

Ratchet Adaptors

Order No.	Dimensions	Price
HR1F	$\frac{3}{4}$ " x $\frac{3}{4}$ " x 2"	
HRA	$\frac{3}{4}$ " x $\frac{5}{8}$ " x 2"	
HRC	$\frac{3}{4}$ " x $\frac{7}{8}$ " x 2"	
HRG	$\frac{3}{4}$ " x 1" x 2"	

Heavy Duty Flex Handle

An all-purpose handle with five positive positions for working at any angle when breaking loose or spinning off.

Order No.	Stock Size	Length	Price
HH24	$\frac{7}{8}$ " x 24"	24"	

Heavy Duty Sliding Bar Tee Handles

Has friction ball for holding at any given point; the bar has center groove for quick balance for spinning.

Order No.	Length	Stock Size	Service	Price
HH20	20"	$\frac{7}{8}$ "	$\frac{3}{4}$ "	

Heavy Duty Extensions

Made in the following sizes and combinations of which will meet all depth requirements.

Order No.	Size and Length	Service	Price
HE4	$\frac{3}{4}$ " x 4"	$\frac{3}{4}$ "	
HE6	$\frac{7}{8}$ " x 6"	$\frac{3}{4}$ "	
HE8	$\frac{7}{8}$ " x 8"	$\frac{3}{4}$ "	
HE16	$\frac{7}{8}$ " x 16"	$\frac{3}{4}$ "	

Socket Adaptors

For adapting $\frac{3}{4}$ " square drive handles to sockets, or handles next above or below $\frac{3}{8}$ " dimension.

Order No.	Dimensions	Price
HA2	$\frac{3}{4}$ " Female x $\frac{5}{8}$ " Male	
HA11	$\frac{1}{2}$ " Female x $\frac{3}{4}$ " Male	
HA13	$\frac{7}{8}$ " Female x $\frac{3}{4}$ " Male	
HA14	$\frac{3}{4}$ " Female x 1" Male	
HA15	$\frac{7}{8}$ " Female x 1" Male	
HA21	$\frac{3}{4}$ " Female x $\frac{7}{8}$ " Male	
HA31	1" Female x $\frac{3}{4}$ " Male	
HA35	1" Female x $\frac{7}{8}$ " Male	

CORNWELL

Heavy Duty Sockets and Sets

3/4" Sq. Drive

Heavy Duty 3/4" Service Sockets

12 Pt.		6 Pt.		Amer. Std.					
Dbl. Hex. Opg.	Sgl. Hex. Opg.	Ord. No.	Price	Length	S.A.E. Nuts	U.S.S. Nuts	U.S.S. Cap Screw	Nuts	Cap Screw
HS2	7/8"	-----	-----	1 1/8"	9/16"	1/2"	5/8"	9/16"	5/8"
HS4	1 1/8"	-----	-----	1 1/8"	5/8"	-----	3/4"	-----	-----
HS6	1"	-----	-----	1 1/8"	15/16"	-----	3/4"	-----	-----
HS8	1 1/8"	HS48	-----	1 1/8"	3/4"	5/8"	-----	-----	-----
HS10	1 1/8"	HS50	-----	2"	-----	-----	7/8"	3/4"	7/8"
HS12	1 1/8"	-----	-----	2"	-----	-----	-----	-----	-----
HS14	1 1/4"	HS54	-----	2 1/8"	7/8"	3/4"	1"	-----	-----
HS16	1 1/8"	-----	-----	2 1/8"	-----	-----	-----	-----	-----
HS18	1 5/8"	HS58	-----	2 1/8"	-----	-----	1 1/8"	-----	-----
HS20	1 7/8"	HS60	-----	2 1/4"	1"	7/8"	-----	-----	-----
HS22	1 1/2"	HS62	-----	2 3/8"	-----	-----	1 1/4"	1"	1 1/8"
HS26	1 5/8"	HS66	-----	2 5/8"	1 1/8"	1"	-----	-----	-----
HS28	1 11/16"	-----	-----	2 3/4"	-----	-----	-----	1 1/8"	1 1/4"
HS30	1 3/4"	HS70	-----	2 3/4"	-----	-----	-----	-----	-----
HS32	1 13/16"	HS72	-----	3"	1 1/4"	1 1/8"	-----	-----	-----
HS34	1 7/8"	HS74	-----	3"	-----	-----	-----	1 1/4"	-----
HS38	2"	HS78	-----	3"	1 3/8"	1 1/4"	-----	-----	-----

Heavy Duty Deep Sockets

With 3/4" Service

Used for Truck U bolts and such work where the bolt extends through the nut.

Order No.	Opening Size	Length	Price
HDS4	1 1/8"	3 1/2"	
HDS6	1"	3 1/2"	
HDS8	1 1/8"	3 1/2"	
HDS10	1 1/8"	3 1/2"	
HDS14	1 1/4"	3 1/2"	
HDS20	1 1/8"	3 1/2"	
HDS26	1 5/8"	3 1/2"	

Cornwell Heavy Duty Socket Set

With 3/4" Service — Set Contains 15 Units

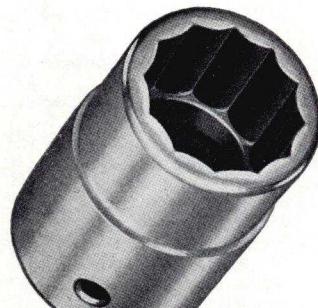
This set contains 11 sockets ranging from 1 1/8" to and including 2" in 12-pt. sockets. The Extensions make it the master of the situation on heavy duty work.

The following items make up the above set:

Order No.	Size	Price
1 — No. HS8	1 1/8" 12 Point Socket	
1 — No. HS10	1 1/8" 12 Point Socket	
1 — No. HS14	1 1/4" 12 Point Socket	
1 — No. HS18	1 3/8" 12 Point Socket	
1 — No. HS20	1 1/8" 12 Point Socket	
1 — No. HS22	1 1/2" 12 Point Socket	
1 — No. HS26	1 5/8" 12 Point Socket	
1 — No. HS30	1 3/4" 12 Point Socket	
1 — No. HS32	1 1/8" 12 Point Socket	
1 — No. HS34	1 1/8" 12 Point Socket	
1 — No. HS38	2" 12 Point Socket	
1 — No. HR1	Heavy Duty Ratchet	
1 — No. HH24	24" Flex Handle	
1 — No. HH20	20" Sliding Tee Bar Handle	
1 — No. HE4	4" Extension	
1 — No. HE8	8" Extension	
	Heavy Steel Case	

No. SK14 Set Complete as illustrated above

Quality Tools



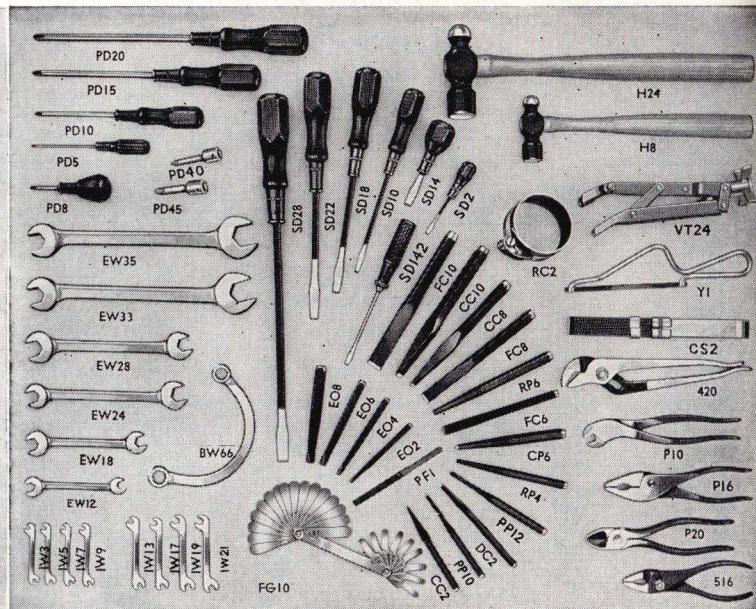
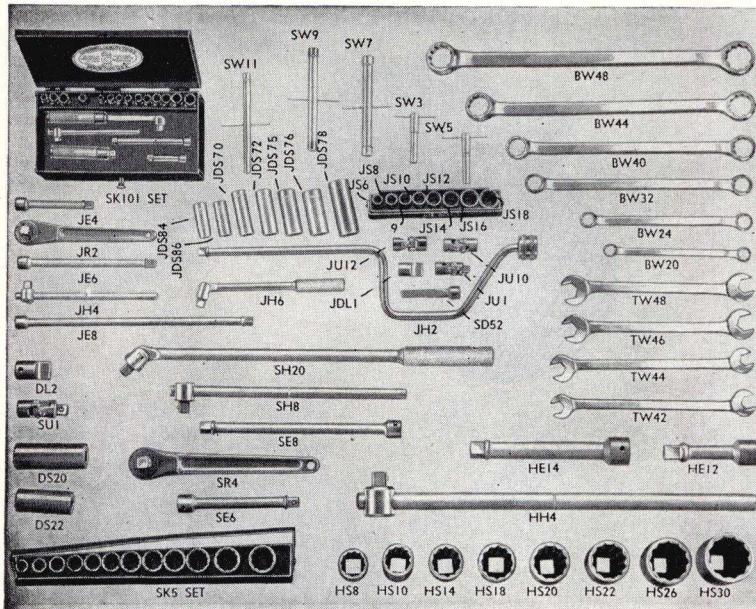
HS2



HDS4



SK14



The ONE FIFTY-ONE Set

Get the job done with these **151** Useful Cornwell Quality Tools

With the Cornwell ONE FIFTY-ONE set of tools at your disposal, you are anxious for the boss to assign you to the toughest job in the shop. You will get the most jobs because you can get them out ahead of schedule. If you are the boss you can take in any size job with confidence in the capacity and quality of your tool equipment.

If this range is broader than your immediate requirements, we will be glad to arrange the set to better suit you, but start now to build up this complete No. 151 set.

**CHECK THE RANGE OF SERVICE THIS
No. 151 SET COVERS**

Tune-up work is most popular and the Tiny No. 101 Set with $\frac{1}{4}$ " square service sockets will come up like a natural for this work. In removing timing gear covers, crank cases, manifolds and fender bolts the $\frac{3}{8}$ " square service sockets will pay off like a slot machine. In heavier work such as cylinder heads, bearing and chassis work the $\frac{1}{2}$ " square service sockets will be a friend indeed to a friend in need. In truck, bus and tractor work you have the $\frac{3}{4}$ " square service set as a spearhead to open up the large and tough jobs so you can do the smaller and finer inside work with the above lighter tools and do front end work, spring shackles, U bolts, axles, wheels, etc.

The open end wrenches, box wrenches, tappet wrenches, pliers, screw drivers, hammers, valve tools and carbon brushes all coordinate to make work profitable and a pleasure.

THE ONE FIFTY-ONE SET IN SK24 TOOL BOX

The SK24 box is a safe "Lock Box" for the ONE FIFTY-ONE piece tool set with room to spare for tools you may already have. Space

is provided in the three small drawers placed side by side across the top so small tools can be stored and found without confusion. The three deeper, full width drawers afford ample space for the larger tools so they can be located in the shortest time. Detail dimensions of the SK24 box will be found on page 40.

No. 151 Set—Tools Only.....
No. 151 Set—Tools and Boxes.....



ITEMIZED LIST OF ONE FIFTY-ONE SET

Ord. No.	Description	Price	Ord. No.	Description	Price	Ord. No.	Description	Price						
TINY SET 1/4" SERVICE SOCKETS AND HANDLES														
TH8	Flex Handle		SS14	3/4" Opening 12 Pt. Socket		FC6	3/8" x 6" Flat							
TE2	2" Extension		SS16	13/16" Opening 12 Pt. Socket		FC8	1/2" x 6 1/2" Flat							
TE4	4" Extension		SS18	7/8" Opening 12 Pt. Socket		FC10	5/8" x 7 1/2" Flat							
TH6	Sliding Tee Bar		SS20	15/16" Opening 12 Pt. Socket		CC2	5/8" x 4 1/4" Cape							
TH3	3" Spin Handle		SS22	1" Opening 12 Pt. Socket		CC3	1/2" x 6 3/4" Cape							
TS3	15/16" Opening Hex. Socket		SS24	1 1/16" Opening 12 Pt. Socket		CC10	5/8" x 7 1/2" Cape							
TS5	5/8" Opening Hex. Socket		DS20	15/16" Opening 12 Pt. Deep Socket		DC2	5/8" x 5 1/2" Diamond Point							
TS6	13/16" Opening Hex. Socket		DS22	1" Opening 12 Pt. Deep Socket		RP4	1/8" x 5" Rivet Punch							
TS7	1/4" Opening Hex. Socket		SU1	Universal		RP6	1/2" x 6 1/2" Rivet Punch							
TS8	17/32" Opening Hex. Socket		DL2	Drag Link Socket		PP10	15/16" x 32/33" Pt. x 5 1/2" Pin Punch							
TS9	3/8" Opening Hex. Socket		SE6	6" Extension		PP12	5/8" x 15/16" Pt. x 5 1/2" Pin Punch							
TS11	5/16" Opening Hex. Socket		SE10	10" Extension		CP6	1/2" x 5 1/2" Center Punch							
TS13	11/32" Opening Hex. Socket		SH18	Flex Handle		EO2	1/4" x 4" Square Punch							
TS15	3/8" Opening Hex. Socket		SH8	Sliding Tee Bar		EO4	5/8" x 4 1/4" Square Punch							
TS18	15/32" Opening Hex. Socket		SR4	Ratchet		EO6	5/8" x 4 1/2" Square Punch							
TS43	15/32" Opening 8 Pt. Socket		3/4" SERVICE HEAVY DUTY SOCKETS AND HANDLES											
TS47	1/4" Opening 8 Pt. Socket		HS8	1 1/16" Opening 12 Pt. Socket		EO8	1/2" x 4 5/8" Square Punch							
TS51	15/32" Opening 8 Pt. Socket		HS10	1 1/8" Opening 12 Pt. Socket		CHISELS AND PUNCHES								
TS63	Plymouth Panel Socket		HS14	1 1/4" Opening 12 Pt. Socket		FC6	3/8" x 6" Flat							
CARBURETOR JET WRENCHES			HS18	1 3/8" Opening 12 Pt. Socket		FC8	1/2" x 6 1/2" Flat							
SW3	Stromberg Jet Wrench		HS20	1 15/16" Opening 12 Pt. Socket		FC10	5/8" x 7 1/2" Flat							
SW5	Stromberg Jet Wrench		HS22	1 1/2" Opening 12 Pt. Socket		CC2	5/8" x 4 1/4" Cape							
SW7	3/2" x 15/16" Jet and Ignition Wrench		HS26	1 5/8" Opening 12 Pt. Socket		CC3	1/2" x 6 3/4" Cape							
SW9	3/2" x 3/8" Jet and Ignition Wrench		HS30	1 3/4" Opening 12 Pt. Socket		CC10	5/8" x 7 1/2" Cape							
SW11	3/2" x 7/16" Jet and Ignition Wrench		HH20	Sliding Tee Bar		DC2	5/8" x 5 1/2" Diamond Point							
5/8" SERVICE JR. SOCKETS AND HANDLES			HE4	4" Extension		RP4	1/8" x 5" Rivet Punch							
JS6	5/8" Opening 12 Pt. Socket		HE8	8" Extension		RP6	1/2" x 6 1/2" Rivet Punch							
JS8	7/8" Opening 12 Pt. Socket		TAPPET WRENCHES											
JS9	13/16" Opening 12 Pt. Socket		TW42	7/8" x 1/2" x 10"		PP10	15/16" x 32/33" Pt. x 5 1/2" Pin Punch							
JS10	1/2" Opening 12 Pt. Socket		TW44	7/8" x 7/32" x 10"		PP12	5/8" x 15/16" Pt. x 5 1/2" Pin Punch							
JS12	15/32" Opening 12 Pt. Socket		TW46	1/2" x 15/16" x 10"		CP6	1/2" x 5 1/2" Center Punch							
JS14	5/8" Opening 12 Pt. Socket		TW48	15/16" x 5/8" x 10"		EO2	1/4" x 4" Square Punch							
JS16	11/16" Opening 12 Pt. Socket		SCREW DRIVERS (Regular)											
JS18	3/4" Opening 12 Pt. Socket		BOX WRENCHES											
JDS84	15/16" Opening 8 Pt. Deep Socket		BW20	7/8" x 1/2" x 7"		SD2	5/8" Stock x 4 1/2" Long							
JDS86	1/2" Opening 8 Pt. Deep Socket		BW24	5/8" x 5/8" x 8"		SD10	15/16" Stock x 5" Long							
JDS70	1/2" Hex. Deep Socket		BW32	13/16" x 3/4" x 11"		SD14	1/4" Stock x 4 1/2" Long							
JDS72	15/16" Opening Hex. Deep Socket		BW40	13/16" x 7/8" x 13"		SD18	1/4" Stock x 6" Long							
JDS75	5/8" Opening Hex. Deep Socket		BW44	15/16" x 1" x 15"		SD22	15/16" Stock x 6" Long							
JDS76	15/16" Opening Hex. Deep Socket		BW48	1 1/8" x 1 1/8" x 16"		SD28	5/8" Stock x 12 1/2" Long							
JDS78	3/4" Opening Hex. Deep Socket		BW66	7/8" x 5/8" Half Moon Wrench		SD142	Spark Testing Driver							
JU10	1/2" Opening Universal Socket		END WRENCHES											
JU12	15/16" Opening Universal Socket		END WRENCHES											
JU1	Universal		EW12	5/8" x 7/8" x 4 1/2"		SCREW DRIVERS (Phillips)								
JDL1	Drag Link Socket		EW18	1/2" x 7/8" x 6"		PD5	No. 0 to 4 Screws							
SD52	Socket Screw Driver		EW24	13/16" x 11/16" x 7"		PD8	No. 5 to 9 Screws Stub							
JH17	Jr. Speeder		EW28	5/8" x 3/4" x 8 1/4"		PD10	No. 5 to 9 Screws							
JE4	3 1/2" Extension		EW33	13/16" x 7/8" x 11 1/4"		PD15	No. 10 to 15 Screws							
JE7	7" Extension		EW35	15/16" x 1" x 12 1/2"		PD20	No. 16 to 24 Screws							
JE12	12" Extension		IGNITION WRENCHES											
JH7	Flex Handle		IGNITION WRENCHES											
JH8	Sliding Tee Bar		IW3	13/16" 15° x 15/16" 60° 3"		FG10	Feeler Gauge							
JR2	Jr. Ratchet		IW5	3/2" 15° x 1/2" 60° 3"		VT24	Valve Lifter							
1/2" SERVICE STANDARD SOCKETS and HANDLES			IW7	13/16" 15° x 13/16" 60° 3"		PF1	Point File							
(SK5 Set of 12 Sockets Only)			IW9	1/2" 15° x 3/2" 60° 3"		Y1	Hack Saw							
SS4	7/8" Opening 12 Pt. Socket		IW13	3/2" 15° x 15/16" 60° 3 1/4"		CS2	Carbon Scraper							
SS6	1/2" Opening 12 Pt. Socket		IW17	15/16" 15° x 3/2" 60° 3 1/2"		RC1	Ring Compressor							
SS8	15/16" Opening 12 Pt. Socket		IW19	11/16" 15° x 3/8" 60° 3 3/4"		HAMMERS								
SS10	5/8" Opening 12 Pt. Socket		IW21	7/8" 15° x 11/16" 60° 3 3/4"		H8	1/2 Lb.							
SS11	3/2" Opening 12 Pt. Socket					H24	1 1/2 Lbs.							
SS12	15/16" Opening 12 Pt. Socket		TOOL BOXES											
			SK102	Tiny Box		SK24	"Master DeLuxe" Box							

CORNWELL

Quality Tools



GIANT SOCKETS AND HANDLES

1" Sq. Drive

Made for super heavy duty work. They overlap into the regular heavy duty line starting in the $1\frac{5}{8}$ " opening and reaching to $3\frac{1}{8}$ " inclusive—all in 6-point. We allow extra working depth for clearance of extra thick nuts or where the bolt has more than average extension through the nut. When a Giant socket is applied something has to move.

Cornwell Giant Ratchet

The King Of Them All

The reference "Giant" applies to 1" Square Drive, the largest in the Cornwell line of sockets and handles. It is light in weight in comparison to the load when used on the largest socket of $3\frac{1}{8}$ ". The usual Cornwell quality is built into it and it will not fail under maximum load. The leverage provided for in the $33\frac{1}{2}$ " overall length makes it too long for the average tool box, therefor, the detachable 30" handle.

Order No.	Length Overall	Price
GR1	Complete	
GH	Head only	
GH	Handle only	

Giant Sliding Bar Tee Handles

Has friction ball for holding at any given point; the bar has center groove for quick balance for spinning.

Order No.	Size and Length	Stock Size	Price
GH30	30"	1"	

Giant Extensions

These two Extensions used singly or in combination will reach any required depth.

Order No.	Size and Length	Price
GE8	1" x 8"	
GE16	1" x 16"	

GIANT 1" SERVICE SOCKETS — 6 PT.

Sgl. Hex. Opg. Amer. Std.

Ord. No.	Opg. Size	Price	Length	S.A.E.	U.S.S.	Cap Screw	Nuts	Cap Screw
GS44	$1\frac{5}{8}$ "		$3\frac{5}{16}$ "	$1\frac{1}{8}$ "	1"	.....	.....	.....
GS48	$1\frac{3}{4}$ "		$3\frac{5}{16}$"	.....	$1\frac{1}{8}$ "	1"	.....	.....
GS50	$1\frac{1}{8}$ "		$3\frac{5}{16}$ "	$1\frac{1}{4}$"	.....	.....	.....	.....
GS52	$1\frac{7}{8}$ "		$3\frac{3}{8}$"	.....	.....	.....	$1\frac{1}{4}$"	.....
GS56	2"		$3\frac{15}{16}$ "	$1\frac{1}{8}$ "	$1\frac{1}{4}$"	.....	.....	.....
GS58	$2\frac{1}{8}$ "		$3\frac{1}{2}$"	.....	.....	.....	.....	.....
GS59	$2\frac{1}{16}$ "		$3\frac{7}{8}$ "	$1\frac{1}{2}$ "	$1\frac{3}{8}$"	.....	.....	.....
GS60	$2\frac{1}{4}$ "		$3\frac{3}{16}$"	.....	.....	.....	$1\frac{1}{2}$"	.....
GS62	$2\frac{3}{8}$ "		$3\frac{7}{8}$"	.....	$1\frac{1}{2}$"	.....	.....	.....
GS64	$2\frac{1}{2}$ "		$4\frac{1}{8}$"	.....	.....	.....	.....	.....
GS66	$2\frac{5}{8}$ "		$4\frac{1}{4}$"	.....	.....	.....	$1\frac{3}{4}$"	.....
GS68	$2\frac{3}{4}$ "		$4\frac{1}{2}$"	.....	$1\frac{3}{4}$"	.....	.....	.....
GS69	$2\frac{1}{8}$ "		$4\frac{7}{8}$"	.....	$1\frac{7}{8}$"	.....	.....	.....
GS72	$3\frac{1}{8}$ "		5"	.....	2"	.....	.....	.....

Giant Socket Set

The Sockets and Handles in this set cover the general requirements in the "Giant" heavy duty class of work.

The following items carrying 1" service make up the following kit. Any item may be ordered separately:

Order No.	Size	Price
1 — GS44	$1\frac{5}{8}$ " Hex. Opening Socket	
1 — GS48	$1\frac{3}{4}$ " Hex. Opening Socket	
1 — GS50	$1\frac{1}{8}$ " Hex. Opening Socket	
1 — GS52	$1\frac{7}{8}$ " Hex. Opening Socket	
1 — GS56	2" Hex. Opening Socket	
1 — GS58	$2\frac{1}{8}$ " Hex. Opening Socket	
1 — GS59	$2\frac{1}{16}$ " Hex. Opening Socket	
1 — GS60	$2\frac{1}{4}$ " Hex. Opening Socket	
1 — GS62	$2\frac{3}{8}$ " Hex. Opening Socket	
1 — GR-1	Giant Ratchet	
1 — GH30	1" x 30" Sliding "T" Bar	
1 — GE8	8" Extension	
1 — GE16	16" Extension	
	Heavy Steel Case shown at left	

SK16

Above set complete in box

CORNWELL

Quality Tools

Carburetor and Ignition Wrenches

The "T" Type socket wrench illustrated on left is for use on all Model "A" Ford Carburetors and Junction Boxes. Comes in several sizes as listed below.

Order No.	Opening Sizes	Price
SW7	$\frac{3}{2}'' \times \frac{5}{16}''$	
SW9	$\frac{3}{2}'' \times \frac{3}{8}''$	
SW11	$\frac{3}{2}'' \times \frac{7}{16}''$	

Trico Windshield Wiper Wrench

The Trico Windshield Wiper Wrench will service the Trico Windshield Wiper used on all makes of cars.

Order No.	Price
SW13	

Stromberg Carburetor Jet Wrenches

The "T" type socket wrench illustrated on left is for servicing jets in Stromberg carburetors. No. SW3 services Stromberg Carburetors used on early model 1934 V8 Fords and also Packard "120". No. SW5 services the jets of Stromberg carburetors in all other cars.

Order No.	Price
SW3	
SW5	

Cornwell Ignition Kit

Cornwell ignition wrenches are built around ignition work requirements. Note the different angles of each end. Note the duplicate openings, but not on the same wrench and each a different angle. It permits holding the head while turning the nut and if one angle doesn't get it the other angle will. Note the special ignition plier, screw driver and feeler gauge, also high grade double cut point file; all in compact, pocket size, genuine leather kit.

Order No.	Price
WK-15 (In leather kit)	

ITEMIZED LISTING OF THE ABOVE SET

Order No.	System	Opening Size	Length	Price
IW3	Auto-Lite	$\frac{1}{2}'' \times \frac{1}{2}''$	60°	3"
IW5	Delco	$\frac{3}{2}'' \times \frac{1}{4}''$	60°	3"
IW7	Bosch	$\frac{1}{2}'' \times \frac{1}{2}''$	60°	3"
IW9	Remy	$\frac{1}{4}'' \times \frac{7}{32}''$	60°	3"
IW13	Eisemann	$\frac{3}{2}'' \times \frac{1}{16}''$	60°	$3\frac{1}{2}''$
IW17	Remy	$\frac{1}{8}'' \times \frac{3}{32}''$	60°	$3\frac{1}{2}''$
IW19	Ger. Bosch	$\frac{1}{2}'' \times \frac{3}{16}''$	60°	$3\frac{3}{4}''$
IW21	General	$\frac{3}{8}'' \times \frac{1}{32}''$	60°	$3\frac{3}{4}''$
PF1	Steel Point File			
FG6	Ignition Feeler Gauge			
P2	Ignition Plier			
SD140	Ignition Neon Driver			

Ignition Pliers

This little Plier is adjustable from 0 to $\frac{1}{2}$ " opening. The slotted handle puts the jaws parallel to the nut in all positions. Even though small it has a full hand grip. A practical tool for ignition work.

Order No.	Price
P2	

Point Files

This double cut Tungsten file is the type preferred by most mechanics for filing breaker points. Note particularly the "finger hold" on the end of handle.

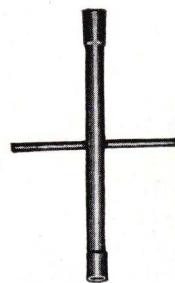
Order No.	Length Cut	O. A. Length	Price
PF1	$2\frac{3}{4}''$	5"	
PF2	.025" Thick	$2\frac{3}{4}''$	5"

Cornwell Flexstone

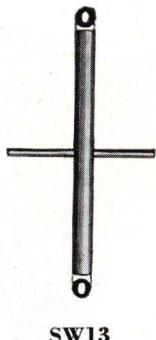
"Gets to the Point"

You can bend or twist it and it won't break, so you can put it into those awkward little corners where you can't get with a steel "point file". It will not short circuit.

Order No.	Length	Price Each
PF3	$4\frac{1}{2}''$	
PF25	$4\frac{1}{2}''$	.025" Thick

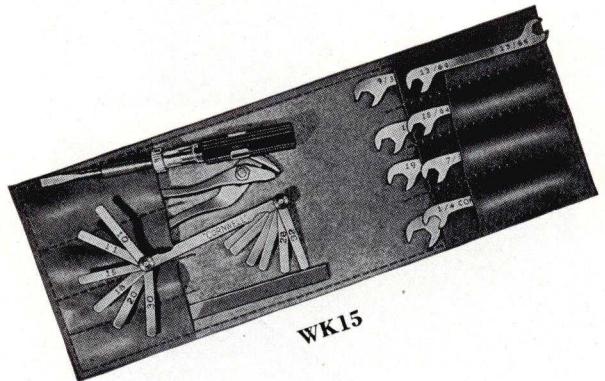


SW7

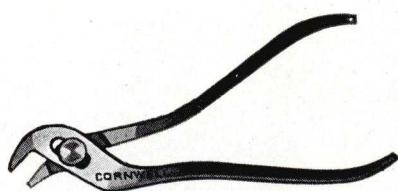


SW13

SW3



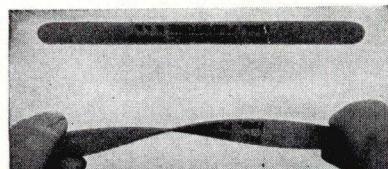
WK15



P2



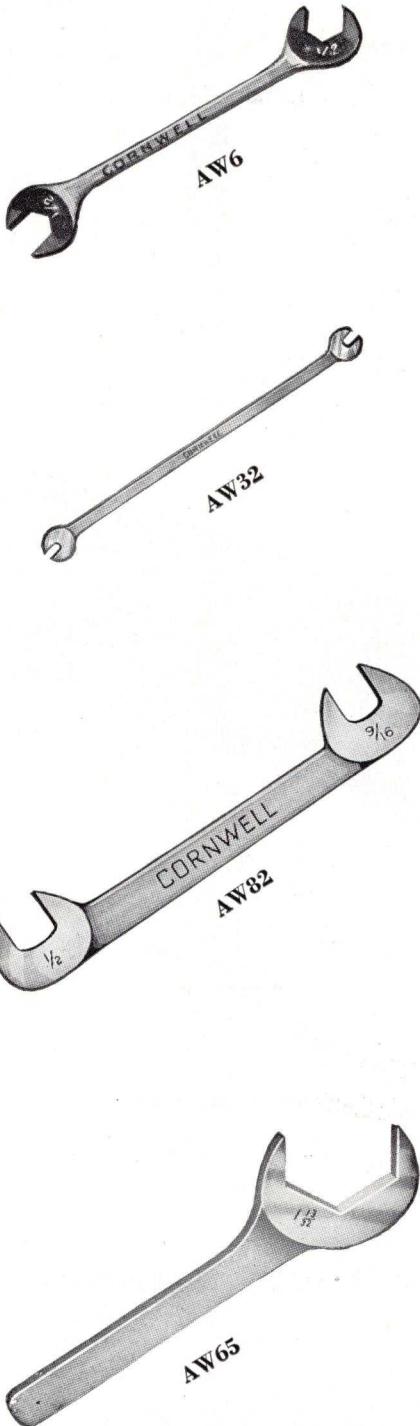
PF1



PF3

CORNWELL

Quality Tools



Cornwell's Improved Angle or Brake Wrenches

The "improved" angle and light construction of this wrench makes it an indispensable tool in all aircraft maintenance work. Has a much narrower handle, thereby enabling the mechanic to work in much closer places. Especially adaptable for aircraft and marine motors. Also brake work.

Cornwell's Improved Angle or Brake Wrenches

Order No.	Opening Size	Length	Price
AW2	3/8" x 7/8"	4 3/4"	
AW4	7/16" x 1 7/16"	5"	
AW6	1/2" x 1/2"	5 1/4"	
AW8	9/16" x 9/16"	5 3/4"	
AW10	5/8" x 5/8"	6 1/4"	
AW12	11/16" x 11/16"	6 3/4"	
AW14	3/4" x 3/4"	7 1/4"	
AW16	13/16" x 13/16"	7 5/8"	
AW18	7/8" x 7/8"	8"	
AW20	15/16" x 15/16"	8 3/4"	
AW22	1" x 1"	9 1/2"	
AW24	1 1/16" x 1 1/16"	10"	
AW50	1 1/8" x 1 1/8"	11"	
AW52	1 1/4" x 1 1/4"	11 3/4"	
AW54	1 3/8" x 1 3/8"	12 1/2"	
AW56	1 7/16" x 1 7/16"	13 1/4"	
AW58	1 1/2" x 1 1/2"	14"	
AW36	9/16" x 3/4"	10 1/2"	
AW40	11/16" x 13/16"	9"	
AW42	3/4" x 7/8"	9"	

Brake Eccentric Wrenches

These wrenches make the eccentric adjustment on brake anchor eccentric bolts when the lock nut has been loosened.

Order No.	Size	Length	Price
AW32	3/16" x 1/4"	9"	
AW34	5/16" x 3/8"	9"	

Right Angle Wrenches

Designed especially for "around the corner" nuts—particularly advantageous for refrigeration and air conditioning service. The openings are 90° angle to the handle.

Order No.	Opening Sizes	Length	Price
AW82	1/2" x 9/16"	6"	

Caster Adjusting Wrench

for Chrysler Products

On the 1941 models of cars, caster adjustment has been simplified by the use of eccentric bushings. The AW65 wrench will fit this adjustment on all 1941 Plymouth, De Soto, Dodge or Chrysler cars excepting the Imperial Models.

Order No.	Size	Length	Price
AW65	1 13/16"	6"	

CORNWELL . . .

ANGLE WRENCH SETS

Our Angle Wrench Sets are arranged in sizes for any mechanical maintenance where space is limited.

In the A. W. numbers from 2 to (58) inclusive, the opening at one end of the handle is set at 60 degrees, while the opening at the other end is set at 15 degrees, facilitating access to the nut regardless of its angle or position. All sets put up in durable leatherette kit.

WK30

Consists of one each of the following:

Order No.	Opening Size	Length
AW2	3/8" x 3/8"	4 3/4"
AW4	1/8" x 1/8"	5"
AW6	1/2" x 1/2"	5 1/4"
AW8	1/8" x 1/8"	5 3/4"
AW10	5/8" x 5/8"	6 1/4"
AW12	3/4" x 3/4"	7 1/4"
AW14	7/8" x 7/8"	8 1/4"
AW16	1 1/8" x 1 1/8"	

WK31

Consists of one each of the following:

Order No.	Opening Size	Length
AW6	1/2" x 1/2"	5 1/4"
AW8	1/8" x 1/8"	5 3/4"
AW10	5/8" x 5/8"	6 1/4"
AW12	1/8" x 1/8"	7 1/4"
AW14	3/4" x 3/4"	7 1/4"
AW16	7/8" x 7/8"	8 1/4"
AW18	1 1/8" x 1 1/8"	
AW20	1 1/8" x 1 1/8"	

WK33

Consists of one each of the following:

Order No.	Opening Size	Length
AW2	3/8" x 3/8"	4 3/4"
AW4	1/8" x 1/8"	5"
AW6	1/2" x 1/2"	5 1/4"
AW8	1/8" x 1/8"	5 3/4"
AW10	5/8" x 5/8"	6 1/4"
AW12	1/8" x 1/8"	7 1/4"
AW14	3/4" x 3/4"	7 1/4"
AW16	1/8" x 1/8"	7 5/8"
AW18	7/8" x 7/8"	8 1/4"
AW20	1 1/8" x 1 1/8"	8 3/4"
AW22	1" x 1"	9 1/2"
AW24	1 1/8" x 1 1/8"	10 1/4"
AW26	1 1/8" x 1 1/8"	11"
AW28	1 1/8" x 1 1/8"	11 3/4"
AW30	1 1/8" x 1 1/8"	12 1/4"
AW32	1 1/8" x 1 1/8"	13 1/4"

WK34

Consists of one each of the following:

Order No.	Opening Size	Length
AW2	3/8" x 3/8"	4 3/4"
AW4	1/8" x 1/8"	5"
AW6	1/2" x 1/2"	5 1/4"
AW8	1/8" x 1/8"	5 3/4"
AW10	5/8" x 5/8"	6 1/4"
AW12	1/8" x 1/8"	6 3/4"
AW14	3/4" x 3/4"	7 1/4"
AW16	1/8" x 1/8"	7 5/8"
AW18	7/8" x 7/8"	8 1/4"
AW20	1 1/8" x 1 1/8"	8 3/4"
AW22	1" x 1"	9 1/2"
AW24	1 1/8" x 1 1/8"	10 1/4"
AW26	1 1/8" x 1 1/8"	11"
AW28	1 1/8" x 1 1/8"	11 3/4"
AW30	1 1/8" x 1 1/8"	12 1/4"
AW32	1 1/8" x 1 1/8"	13 1/4"

WK36

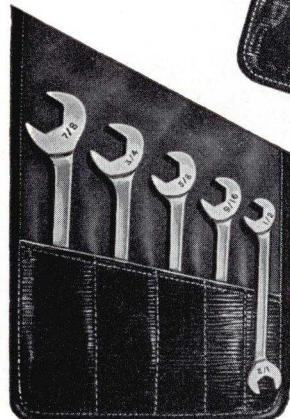
Consists of one each of the following:

Order No.	Opening Size	Length
AW2	3/8" x 3/8"	4 3/4"
AW4	1/8" x 1/8"	5"
AW6	1/2" x 1/2"	5 1/4"
AW8	1/8" x 1/8"	5 3/4"
AW10	5/8" x 5/8"	6 1/4"
AW12	1/8" x 1/8"	6 3/4"
AW14	3/4" x 3/4"	7 1/4"
AW16	1/8" x 1/8"	7 5/8"
AW18	7/8" x 7/8"	8 1/4"
AW20	1 1/8" x 1 1/8"	8 3/4"
AW22	1" x 1"	9 1/2"
AW24	1 1/8" x 1 1/8"	10 1/4"
AW26	1 1/8" x 1 1/8"	11"
AW28	1 1/8" x 1 1/8"	11 3/4"
AW30	1 1/8" x 1 1/8"	12 1/4"
AW32	1 1/8" x 1 1/8"	13 1/4"
AW34	1 1/8" x 1 1/8"	14"

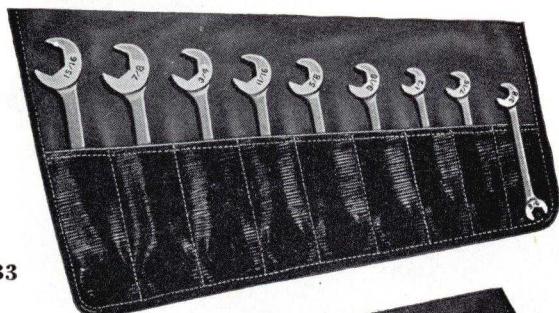
Quality Tools



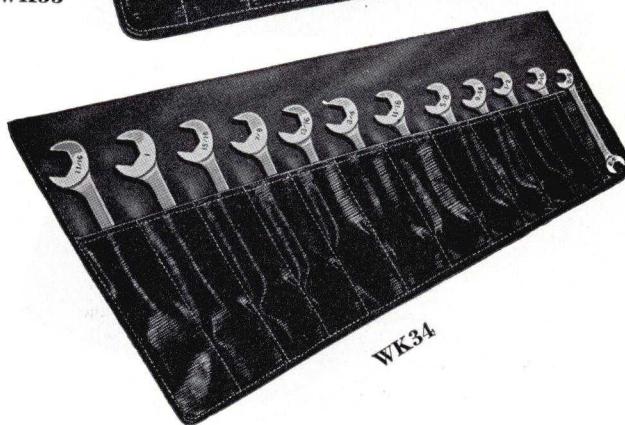
WK30



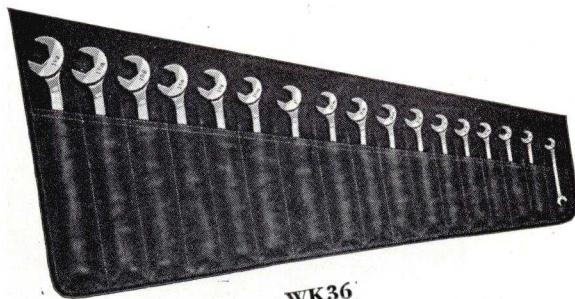
WK31



WK33



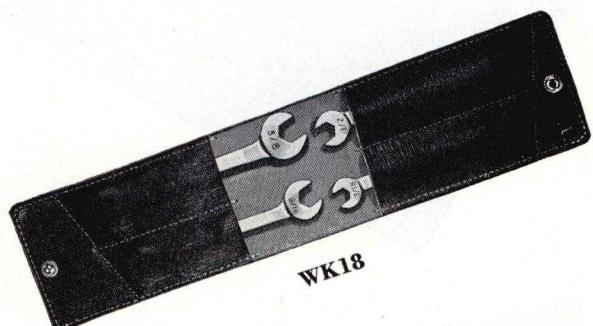
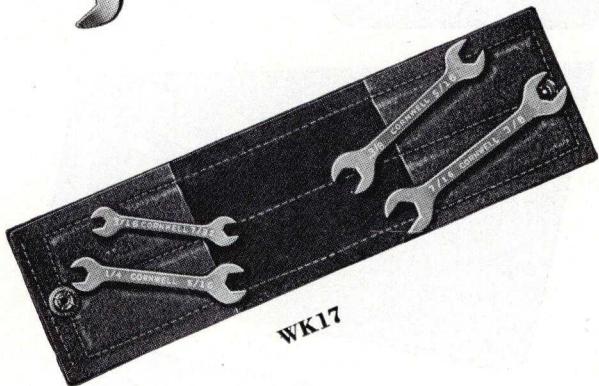
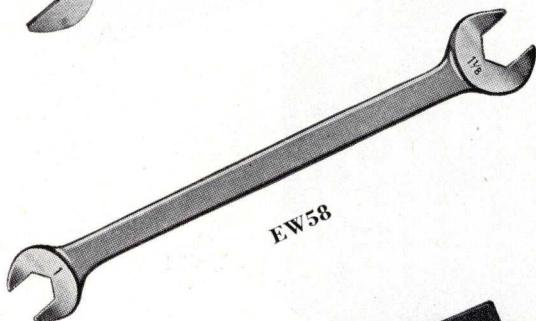
WK34



WK36

CORNWELL

Quality Tools



Cornwell Chrome-Moly Open End Wrenches

All "Cornwell" Open End Wrenches are hammered out of a piece of round Chrome Molybdenum Steel of Special analysis and then heat treated throughout their entire length—not just case hardened—to insure uniform strength and toughness and they are made on a 15 degree angle which makes them more convenient to hold and easier to use in places where access is difficult. Their strength is phenomenal.

Regular Open End Wrenches

Order No.	Opening Sizes	Length	Price Each	Order No.	Opening Sizes	Length	Price Each
EW3	1/8" x 7/32"	2 1/2"		EW24	1/2" x 11/16"	7 3/4"	
EW5	1/4" x 15/32"	3"		EW26	5/8" x 11/16"	7 1/2"	
EW7	3/8" x 11/32"	3 1/4"		EW28	5/8" x 3/4"	8 1/4"	
EW8	5/8" x 3/8"	3 1/4"		EW30	3/4" x 7/8"	9 1/4"	
EW9	3/8" x 15/32"	3 3/4"		EW33	11/16" x 7/8"	11 1/4"	
EW10	5/8" x 3/8"	4 1/4"		EW35	11/16" x 1"	12 1/2"	
EW12	3/8" x 15/32"	4 1/2"		EW36	11/16" x 1 1/8"	12 1/4"	
EW14	7/16" x 1/2"	5 1/2"		EW37	1 1/8" x 1 1/8"	13 3/4"	
EW18	1/2" x 9/16"	6"		EW39	1 1/8" x 1 3/8"	14 1/2"	
EW20	1/2" x 11/32"	6"		EW41	1 1/8" x 1 1/4"	18"	
EW22	9/16" x 5/8"	7 1/4"		EW42	1 1/4" x 1 1/8"	16"	
				EW44	1 1/2" x 1 5/8"	24"	

Special Length Open End Wrenches

EW51	5/8" x 11/16" x 15"	Scientific Brake Wrench.....
EW52	3/4" x 3/4" x 12"	A. W. for Hercules Motor Manifold.....
EW54	3/4" x 7/8" x 15"	Bendix Brake Anchor Wrench.....
EW55	15/16" x 1 1/8" x 17"	Bendix Brake Anchor Wrench.....
EW56	15/16" x 1 1/8" x 21"	Bendix Brake Anchor Wrench.....
EW58	1" x 1 1/8" x 16"	Bendix Brake Anchor Wrench.....
EW60	1" x 1 1/8" x 22"	"U" Bolt Wrench.....
EW62	1 1/4" x 1 7/8" x 22"	"U" Bolt Wrench.....
EW64	1 1/8" x 1 3/8" x 22"	Cletrac Wrench

Cornwell Junior Open End Wrench Kit

These junior open end wrenches, like the regular Cornwell open end wrenches are very small and thin. Have narrow jaws and will work in closer places than any wrench on the market. Small in size but giants for strength. Why? They're made of that famous Cornwell Chrome-Moly steel.

Order No.	Size and Length	Price
EW3	1/8" x 5/32" x 2 1/2"	
EW5	1/4" x 15/32" x 3"	
EW7	3/8" x 11/32" x 3 1/4"	
EW9	5/8" x 7/16" x 3 3/4"	
WK17	Kit consisting of one each of above in genuine leather case	
EW8	5/8" x 3/8" x 3 1/4"	

Cornwell "Handi" Pocket Wrench Kit

WK18

Consists of one each of the following:

Order No.	Size Opening	Length
EW12	5/8" x 7/16"	4 1/2"
EW14	1/2" x 1/2"	5 1/2"
EW18	1/2" x 9/16"	6"
EW22	9/16" x 5/8"	7 1/4"

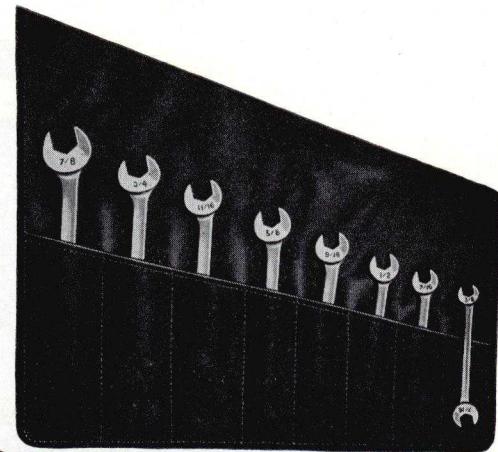
WRENCH KITS (Open End)

WK20

Consists of one each of the following:

Order No.	Size Opening	Length
EW10	$\frac{5}{16}'' \times \frac{3}{8}''$	4 $\frac{1}{4}''$
EW12	$\frac{3}{8}'' \times \frac{1}{16}''$	4 $\frac{1}{2}''$
EW14	$\frac{7}{16}'' \times \frac{1}{2}''$	5 $\frac{1}{2}''$
EW18	$\frac{1}{2}'' \times \frac{9}{16}''$	6"
EW22	$\frac{9}{16}'' \times \frac{5}{8}''$	7 $\frac{1}{4}''$
EW24	$\frac{13}{16}'' \times \frac{11}{16}''$	7 $\frac{3}{4}''$
EW28	$\frac{5}{8}'' \times \frac{3}{4}''$	8 $\frac{1}{2}''$
EW30	$\frac{3}{4}'' \times \frac{7}{8}''$	9 $\frac{1}{4}''$

WK20

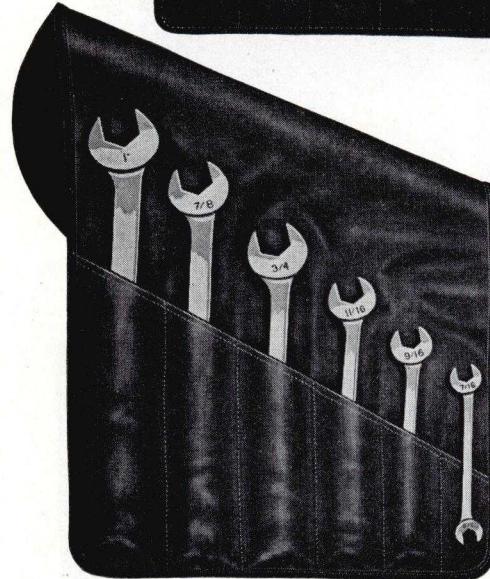


WK22

Consists of one each of the following:

Order No.	Size Opening	Length
EW12	$\frac{3}{8}'' \times \frac{7}{16}''$	4 $\frac{1}{2}''$
EW18	$\frac{1}{2}'' \times \frac{9}{16}''$	6"
EW26	$\frac{5}{8}'' \times \frac{11}{16}''$	7 $\frac{1}{2}''$
EW30	$\frac{3}{4}'' \times \frac{7}{8}''$	9 $\frac{1}{4}''$
EW33	$\frac{13}{16}'' \times \frac{7}{8}''$	11 $\frac{1}{4}''$
EW35	$\frac{15}{16}'' \times 1''$	12 $\frac{1}{2}''$

WK22



WK24

Consists of one each of the following:

Order No.	Size Opening	Length
EW12	$\frac{3}{8}'' \times \frac{7}{16}''$	4 $\frac{1}{2}''$
EW14	$\frac{7}{16}'' \times \frac{1}{2}''$	5 $\frac{1}{2}''$
EW18	$\frac{1}{2}'' \times \frac{9}{16}''$	6"
EW22	$\frac{9}{16}'' \times \frac{5}{8}''$	7 $\frac{1}{4}''$
EW24	$\frac{13}{16}'' \times \frac{11}{16}''$	7 $\frac{3}{4}''$
EW30	$\frac{3}{4}'' \times \frac{7}{8}''$	9 $\frac{1}{4}''$
EW33	$\frac{13}{16}'' \times \frac{7}{8}''$	11 $\frac{1}{4}''$
EW35	$\frac{15}{16}'' \times 1''$	12 $\frac{1}{2}''$

WK24

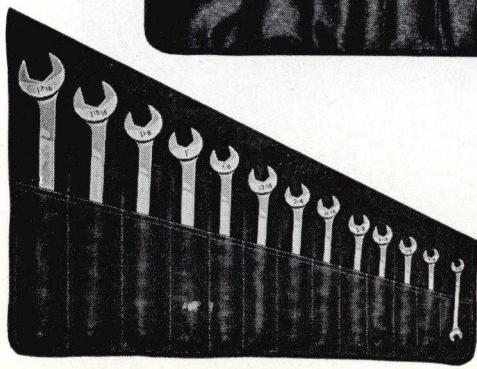


WK26

Consists of one each of the following:

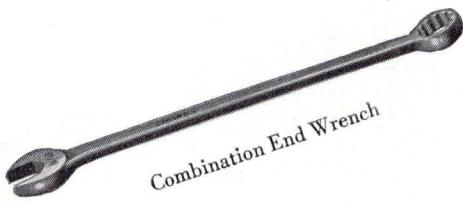
Order No.	Size Opening	Length
EW10	$\frac{5}{16}'' \times \frac{3}{8}''$	4 $\frac{1}{4}''$
EW12	$\frac{3}{8}'' \times \frac{1}{16}''$	4 $\frac{1}{2}''$
EW14	$\frac{7}{16}'' \times \frac{1}{2}''$	5 $\frac{1}{2}''$
EW18	$\frac{1}{2}'' \times \frac{9}{16}''$	6"
EW22	$\frac{9}{16}'' \times \frac{5}{8}''$	7 $\frac{1}{4}''$
EW24	$\frac{13}{16}'' \times \frac{11}{16}''$	7 $\frac{3}{4}''$
EW28	$\frac{5}{8}'' \times \frac{3}{4}''$	8 $\frac{1}{2}''$
EW30	$\frac{3}{4}'' \times \frac{7}{8}''$	9 $\frac{1}{4}''$
EW33	$\frac{13}{16}'' \times \frac{7}{8}''$	11 $\frac{1}{4}''$
EW35	$\frac{15}{16}'' \times 1''$	12 $\frac{1}{2}''$
EW37	$1\frac{1}{16}'' \times 1\frac{1}{8}''$	13 $\frac{3}{4}''$
EW39	$1\frac{5}{16}'' \times 1\frac{3}{8}''$	14 $\frac{1}{2}''$
EW42	$1\frac{1}{4}'' \times 1\frac{7}{8}''$	16"

WK26

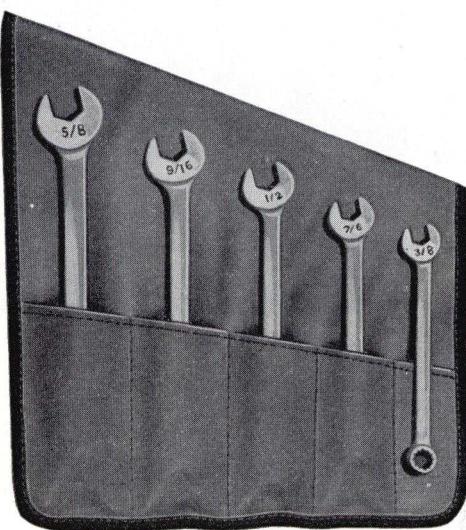


CORNWELL

Quality Tools



WK8



WK7

COMBINATION BOX END WRENCHES

With 15° Offset Box End

These Combination Open End and Box Wrenches have decided advantages over the Single type wrench. They have the same size opening on both ends; you can use the box end for breaking loose those tight nuts and the open end for fast work in running them off.

Short Lengths		Price	
Ord. No.	Dimensions	Ord. No.	Dimensions
CW4	$\frac{7}{16}'' \times \frac{7}{16}'' \times 5''$	CW8	$\frac{9}{16}'' \times \frac{9}{16}'' \times 6''$
CW6	$\frac{1}{2}'' \times \frac{1}{2}'' \times 5\frac{1}{2}''$	CW10	$\frac{5}{8}'' \times \frac{5}{8}'' \times 6\frac{3}{4}''$

Long Lengths		Price	
Ord. No.	Dimensions	Ord. No.	Dimensions
CW3	$\frac{3}{8}'' \times \frac{3}{8}'' \times 5\frac{1}{4}''$	CW20	$\frac{15}{16}'' \times \frac{15}{16}'' \times 13''$
CW5	$\frac{7}{16}'' \times \frac{7}{16}'' \times 6''$	CW22	$1'' \times 1'' \times 14''$
CW7	$\frac{1}{2}'' \times \frac{1}{2}'' \times 6\frac{7}{8}''$	CW24	$1\frac{1}{16}'' \times 1\frac{1}{16}'' \times 15''$
CW9	$\frac{9}{16}'' \times \frac{9}{16}'' \times 7\frac{3}{4}''$	CW26	$1\frac{1}{8}'' \times 1\frac{1}{8}'' \times 15\frac{3}{4}''$
CW11	$\frac{5}{8}'' \times \frac{5}{8}'' \times 8\frac{5}{8}''$	CW30	$1\frac{1}{4}'' \times 1\frac{1}{4}'' \times 17''$
CW12	$\frac{11}{16}'' \times \frac{11}{16}'' \times 9\frac{1}{2}''$	CW34	$1\frac{3}{8}'' \times 1\frac{3}{8}'' \times 19''$
CW14	$\frac{3}{4}'' \times \frac{3}{4}'' \times 10\frac{1}{2}''$	CW36	$1\frac{7}{16}'' \times 1\frac{7}{16}'' \times 21''$
CW16	$\frac{13}{16}'' \times \frac{13}{16}'' \times 11\frac{1}{4}''$	CW38	$1\frac{1}{2}'' \times 1\frac{1}{2}'' \times 24''$
CW18	$\frac{7}{8}'' \times \frac{7}{8}'' \times 12''$		

Combination Wrench Kit

WK8

Consists of one each of the following:

Short Lengths		Length	
Order No.	Size Opening	Order No.	Size Opening
CW4	$\frac{7}{16}'' \times \frac{7}{16}''$	CW8	$\frac{9}{16}'' \times \frac{9}{16}''$
CW6	$\frac{1}{2}'' \times \frac{1}{2}''$	CW10	$\frac{5}{8}'' \times \frac{5}{8}''$

Combination Wrench Kit

WK7

Consists of one each of the following:

Long Lengths		Length	
Order No.	Size Opening	Order No.	Size Opening
CW3	$\frac{3}{8}'' \times \frac{3}{8}''$	CW9	$\frac{15}{16}'' \times \frac{15}{16}''$
CW5	$\frac{7}{16}'' \times \frac{7}{16}''$	CW11	$\frac{5}{8}'' \times \frac{5}{8}''$
CW7	$\frac{1}{2}'' \times \frac{1}{2}''$		

CORNWELL

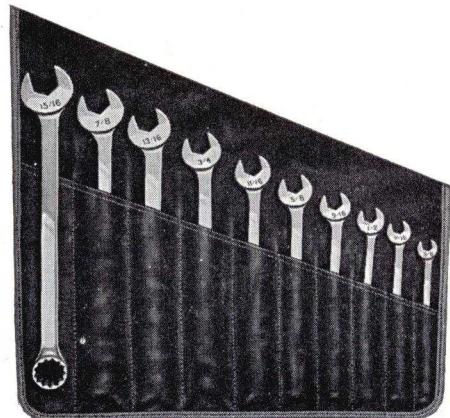
Quality Tools

WK9

Consists of one each of the following:

Long Lengths

Order No.	Size Opening	Length	Order No.	Size Opening	Length
CW3	$\frac{3}{8}''$ x $\frac{3}{8}''$	$5\frac{1}{4}''$	CW12	$\frac{11}{16}''$ x $\frac{11}{16}''$	$9\frac{1}{2}''$
CW5	$\frac{7}{16}''$ x $\frac{7}{16}''$	6"	CW14	$\frac{3}{4}''$ x $\frac{3}{4}''$	$10\frac{1}{2}''$
CW7	$\frac{1}{2}''$ x $\frac{1}{2}''$	$6\frac{7}{8}''$	CW16	$\frac{13}{16}''$ x $\frac{13}{16}''$	$11\frac{1}{4}''$
CW9	$\frac{9}{16}''$ x $\frac{9}{16}''$	$7\frac{3}{4}''$	CW18	$\frac{7}{8}''$ x $\frac{7}{8}''$	12"
CW11	$\frac{5}{8}''$ x $\frac{5}{8}''$	$8\frac{5}{8}''$	CW20	$\frac{15}{16}''$ x $\frac{15}{16}''$	13"



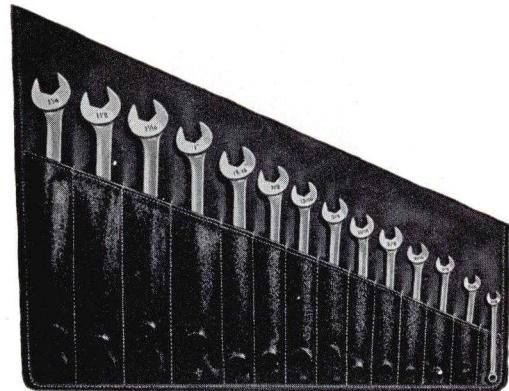
WK9

WK35

Consists of one each of the following:

Long Lengths

Order No.	Size Opening	Length	Order No.	Size Opening	Length
CW3	$\frac{3}{8}''$ x $\frac{3}{8}''$	$5\frac{1}{4}''$	CW16	$\frac{13}{16}''$ x $\frac{13}{16}''$	$11\frac{1}{4}''$
CW5	$\frac{7}{16}''$ x $\frac{7}{16}''$	6"	CW18	$\frac{7}{8}''$ x $\frac{7}{8}''$	12"
CW7	$\frac{1}{2}''$ x $\frac{1}{2}''$	$6\frac{7}{8}''$	CW20	$\frac{15}{16}''$ x $\frac{15}{16}''$	13"
CW9	$\frac{9}{16}''$ x $\frac{9}{16}''$	$7\frac{3}{4}''$	CW22	1" x 1"	14"
CW11	$\frac{5}{8}''$ x $\frac{5}{8}''$	$8\frac{5}{8}''$	CW24	$1\frac{1}{16}''$ x $1\frac{1}{16}''$	15"
CW12	$\frac{11}{16}''$ x $\frac{11}{16}''$	$9\frac{1}{2}''$	CW26	$1\frac{1}{8}''$ x $1\frac{1}{8}''$	$15\frac{3}{4}''$
CW14	$\frac{3}{4}''$ x $\frac{3}{4}''$	$10\frac{1}{2}''$	CW30	$1\frac{1}{4}''$ x $1\frac{1}{4}''$	17"



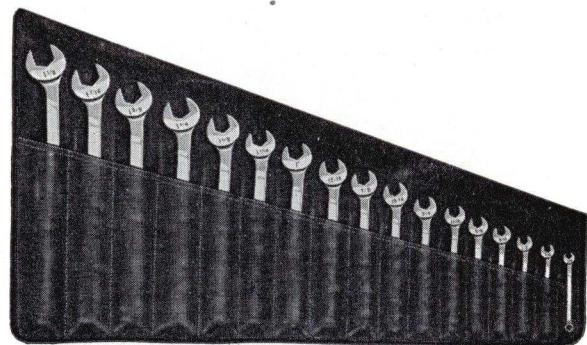
WK35

WK37

Consists of one each of the following:

Long Lengths

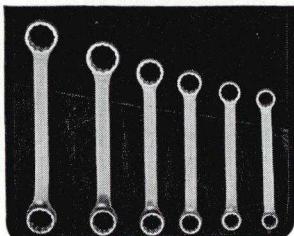
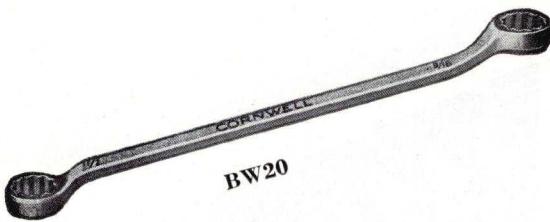
Order No.	Size Opening	Length	Order No.	Size Opening	Length
CW3	$\frac{3}{8}''$ x $\frac{3}{8}''$	$5\frac{1}{4}''$	CW20	$\frac{15}{16}''$ x $\frac{15}{16}''$	13"
CW5	$\frac{7}{16}''$ x $\frac{7}{16}''$	6"	CW22	1" x 1"	14"
CW7	$\frac{1}{2}''$ x $\frac{1}{2}''$	$6\frac{7}{8}''$	CW24	$1\frac{1}{16}''$ x $1\frac{1}{16}''$	15"
CW9	$\frac{9}{16}''$ x $\frac{9}{16}''$	$7\frac{3}{4}''$	CW26	$1\frac{1}{8}''$ x $1\frac{1}{8}''$	$15\frac{3}{4}''$
CW11	$\frac{5}{8}''$ x $\frac{5}{8}''$	$8\frac{5}{8}''$	CW30	$1\frac{1}{4}''$ x $1\frac{1}{4}''$	17"
CW12	$\frac{11}{16}''$ x $\frac{11}{16}''$	$9\frac{1}{2}''$	CW34	$1\frac{3}{8}''$ x $1\frac{3}{8}''$	19"
CW14	$\frac{3}{4}''$ x $\frac{3}{4}''$	$10\frac{1}{2}''$	CW36	$1\frac{7}{16}''$ x $1\frac{7}{16}''$	21"
CW16	$\frac{13}{16}''$ x $\frac{13}{16}''$	$11\frac{1}{4}''$	CW38	$1\frac{1}{2}''$ x $1\frac{1}{2}''$	24"
CW18	$\frac{7}{8}''$ x $\frac{7}{8}''$	12"			



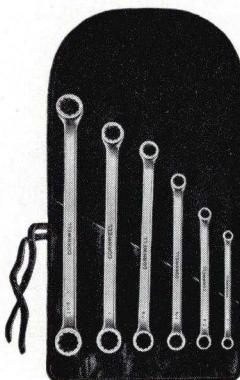
WK37

CORNWELL

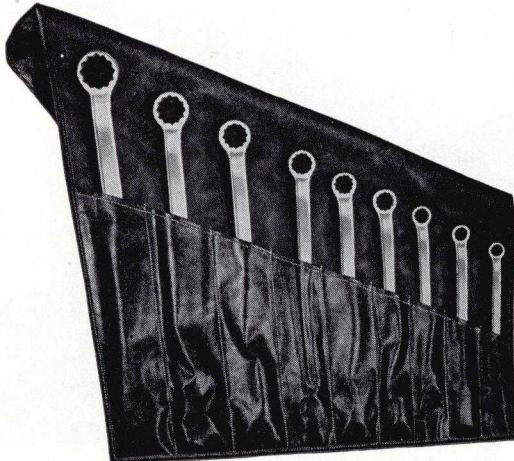
Quality Tools



WK2



WK4



WK5

Twelve Point Box Wrenches

"CORNWELL" Box Wrenches, like "CORNWELL" Open End Wrenches, are hammered out of a piece of round chrome molybdenum steel of special analysis and heat treated throughout their entire length. They are the strongest wrenches of their kind ever put on the market.

Short Lengths

Order No.	Opening Sizes	Length	Price Each	Order No.	Opening Sizes	Length	Price Each
BW3	$\frac{3}{8}'' \times \frac{7}{16}''$	$4\frac{1}{2}''$		BW9	$\frac{9}{16}'' \times \frac{5}{8}''$	$5\frac{1}{2}''$	
BW5	$\frac{7}{16}'' \times \frac{1}{2}''$	$4\frac{1}{2}''$		BW11	$\frac{5}{8}'' \times \frac{3}{4}''$	$5\frac{3}{4}''$	
BW7	$\frac{1}{2}'' \times \frac{9}{16}''$	$5''$		BW15	$\frac{11}{16}'' \times \frac{3}{4}''$	$6''$	

Long Lengths

Order No.	Opening Sizes	Length	Price	Order No.	Opening Sizes	Length	Price
BW18	$\frac{3}{4}'' \times \frac{7}{16}''$	$6\frac{1}{2}''$		BW36	$\frac{3}{4}'' \times \frac{13}{16}''$	$13''$	
BW20	$\frac{7}{16}'' \times \frac{1}{2}''$	$7''$		BW38	$\frac{3}{4}'' \times \frac{7}{8}''$	$13''$	
BW22	$\frac{1}{2}'' \times \frac{9}{16}''$	$7\frac{1}{2}''$		BW39	$\frac{7}{8}'' \times \frac{3}{2}''$	$13''$	
BW24	$\frac{9}{16}'' \times \frac{5}{8}''$	$8''$		BW40	$\frac{13}{16}'' \times \frac{7}{8}''$	$13''$	
BW26	$\frac{5}{8}'' \times \frac{11}{16}''$	$12''$		BW44	$\frac{13}{16}'' \times 1''$	$15''$	
BW28	$\frac{5}{8}'' \times \frac{3}{4}''$	$12''$		BW46	$\frac{13}{16}'' \times 1\frac{1}{16}''$	$16''$	
BW30	$\frac{5}{8}'' \times \frac{3}{4}''$	$15''$		BW48	$1\frac{1}{16}'' \times 1\frac{1}{8}''$	$16''$	
BW32	$\frac{11}{16}'' \times \frac{3}{4}''$	$11''$		BW49	$1\frac{1}{16}'' \times 1\frac{1}{4}''$	$17''$	
BW34	$\frac{3}{4}'' \times \frac{21}{32}''$	$13''$		BW53	$1\frac{1}{8}'' \times 1\frac{1}{16}''$	$17''$	
				BW56	$1\frac{7}{16}'' \times 1\frac{1}{2}''$	$20''$	

Twelve Point Box Wrench Kits

WK2.....

Consists of one each of the following:

Order No.	Opening Sizes	Length	Order No.	Opening Sizes	Length
BW3	$\frac{3}{8}'' \times \frac{7}{16}''$	$4\frac{1}{2}''$	BW9	$\frac{9}{16}'' \times \frac{5}{8}''$	$5\frac{1}{2}''$
BW5	$\frac{7}{16}'' \times \frac{1}{2}''$	$4\frac{1}{2}''$	BW11	$\frac{5}{8}'' \times \frac{3}{4}''$	$5\frac{3}{4}''$
BW7	$\frac{1}{2}'' \times \frac{9}{16}''$	$5''$	BW15	$\frac{11}{16}'' \times \frac{3}{4}''$	$6''$

WK4.....

Consists of one each of the following:

Order No.	Opening Sizes	Length	Order No.	Opening Sizes	Length
BW20	$\frac{7}{16}'' \times \frac{1}{2}''$	$7''$	BW40	$\frac{13}{16}'' \times \frac{7}{8}''$	$13''$
BW24	$\frac{9}{16}'' \times \frac{5}{8}''$	$8''$	BW44	$\frac{13}{16}'' \times 1''$	$15''$
BW32	$\frac{11}{16}'' \times \frac{3}{4}''$	$11''$	BW48	$1\frac{1}{16}'' \times 1\frac{1}{8}''$	$16''$

WK5.....

Consists of one each of the following:

Order No.	Opening Sizes	Length	Order No.	Opening Sizes	Length
BW20	$\frac{7}{16}'' \times \frac{1}{2}''$	$7''$	BW44	$\frac{13}{16}'' \times 1''$	$15''$
BW24	$\frac{9}{16}'' \times \frac{5}{8}''$	$8''$	BW48	$1\frac{1}{16}'' \times 1\frac{1}{8}''$	$16''$
BW32	$\frac{11}{16}'' \times \frac{3}{4}''$	$11''$	BW53	$1\frac{1}{8}'' \times 1\frac{1}{16}''$	$17''$
BW40	$\frac{13}{16}'' \times \frac{7}{8}''$	$13''$	BW56	$1\frac{7}{16}'' \times 1\frac{1}{2}''$	$20''$

CORNWELL

Quality Tools

Double End Flexible Sockets

These new idea wrenches are the handiest in design of anything that has been placed on the market. The twelve point sockets on each end will get into places where numerous special wrenches are needed, and fulfill a long felt need for a wrench of this type. They are of the extra small thin walled Junior Socket type.

Order No.	Opening Size	Length	Price
FS3	$\frac{3}{8}'' \times \frac{7}{16}''$	6"	
FS7	$\frac{7}{16}'' \times \frac{1}{2}''$	6"	
FS8	$\frac{1}{2}'' \times \frac{9}{16}''$	6"	
FS9	$\frac{9}{16}'' \times \frac{5}{8}''$	6"	
FS11	$\frac{11}{16}'' \times \frac{3}{4}''$	10"	

Half Moon Box Wrenches

These Wrenches are ideal for all starters, manifold nuts, exhaust flange union nuts, carburetor flange nuts, and in fact, all those tough-to-get-at, around-the-corner, hidden nuts.

Order No.	Opening Size	Price
BW62	$\frac{7}{16}'' \times \frac{1}{2}''$	
BW64	$\frac{1}{2}'' \times \frac{9}{16}''$	
BW66	$\frac{9}{16}'' \times \frac{5}{8}''$	

Front Motor Support and Starter Wrench for "Chevies"

"STARTER" wrench on all Chrysler built cars

Order No.	Size	Price
BW67	$\frac{5}{8}'' \times \frac{3}{4}''$	

Special Manifold Wrench

This Wrench especially designed for those "Hard-To-Get-At-Nuts" in a thousand and one places around the average car.

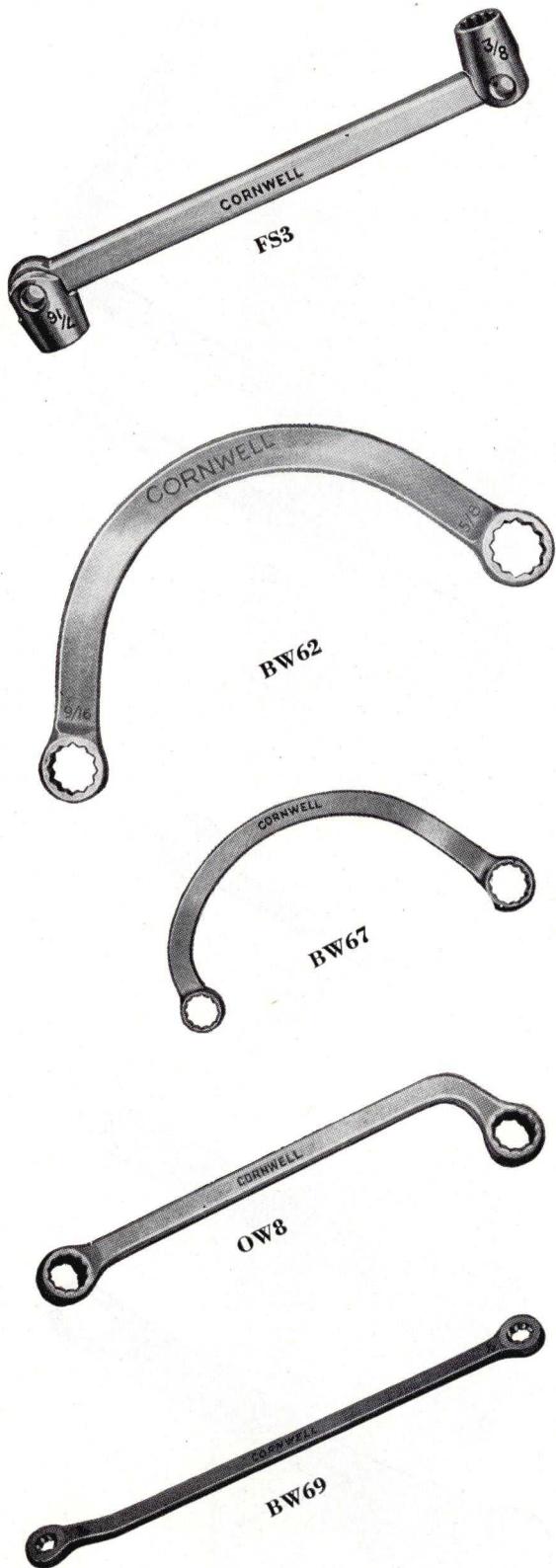
It is especially good for manifold work on most cars.

Order No.	Dimensions	Price
OW8	$\frac{1}{2}'' \times \frac{9}{16}'' \times 7\frac{1}{2}''$	

Improved Ford Brake Wrench

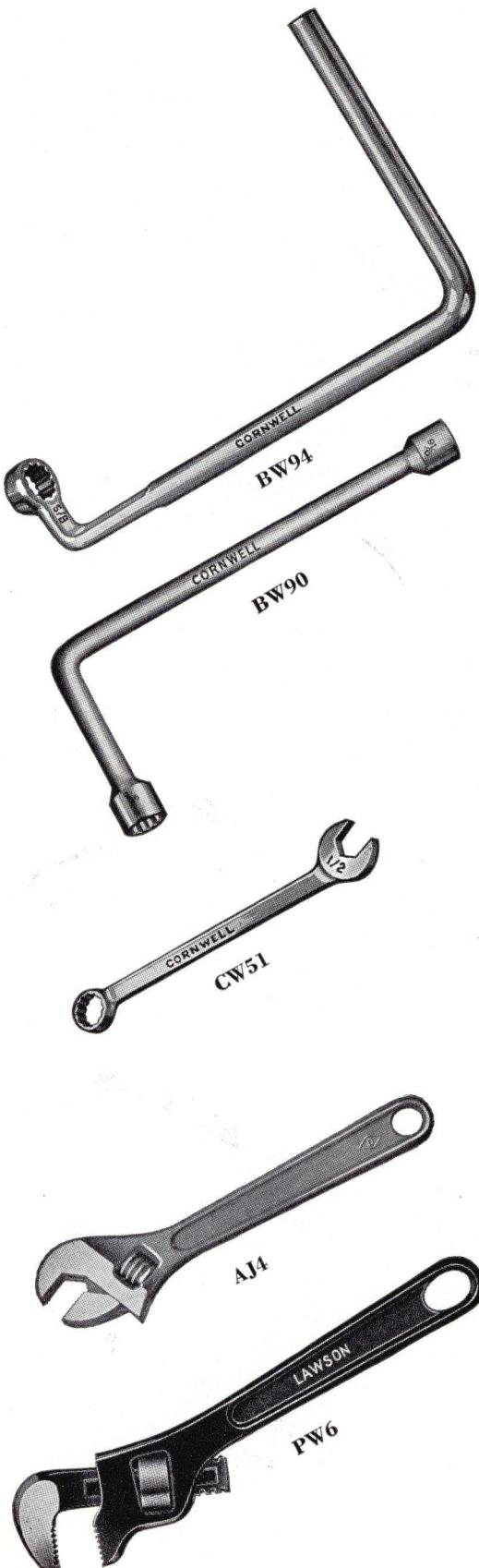
Services All Models

Order No.	Price
BW69	$\frac{7}{16}''$ double square x $\frac{1}{2}''$ double square 16" long



CORNWELL

Quality Tools



WRENCHES

Starting Motor Wrench

This is a good wrench for breaking loose or tightening starter motor nuts on Pontiac, Oldsmobile and late model Chryslers. Also for holding eccentric bolt on 39 Chevrolet steering system while adjustment is being made.

Order No.	Size	Price
BW94	$\frac{5}{8}$ "	

Bendix and Steel-Draulic Brake Wrench

This wrench designed for adjusting Bendix and Steel-Draulic internal brakes. An ideal tool for this job. Can also be used on V8 "Con Rod" bearing nuts.

Order No.	Size	Price
BW90	$3\frac{1}{2}'' \times 10''$ $\frac{9}{16}$ " 12 pt. socket both ends	
BW92	$3\frac{1}{2}'' \times 10''$ $\frac{1}{2}$ " 12 pt. socket both ends	

Ford and Lincoln Distributor Wrench

Order No.	Length	Price
CW51	6"	

Adjustable Wrenches

(Not Replaceable)

Alloy Steel adjustable wrench, second to none in appearance, strength and durability. Drop Forged from the finest grade of chrome-alloy steel. A 22 1/2 degree angle wrench.

Order No.	Length	Price	Order No.	Length	Price
AJ4	4"		AJ10	10"	
AJ6	6"		AJ12	12"	
AJ8	8"		AJ15	15"	

Pipe Wrenches

Order No.	Length	Price	Order No.	Length	Price
PW6	6"		PW14	14"	
PW8	8"		PW18	18"	
PW10	10"		PW24	24"	

CORNWELL

Quality Tools

WRENCHES

Cornwell Tappet Wrenches

Like "Cornwell" Open End Wrenches "Cornwell" Tappet Wrenches are hammered out of round, specially treated Chrome Molybdenum Steel and then expertly heat treated throughout their entire length. This gives them remarkable strength and long life.

Order No.	Opening	Thickness	Length	Price
TW0	$\frac{3}{8}$ "	$\frac{1}{4}$ "	12"	
TW1	$\frac{3}{8}$ "	$\frac{5}{32}$ "	12"	
TW2	$\frac{7}{16}$ "	$\frac{5}{32}$ "	12"	
TW3	$\frac{7}{16}$ "	$\frac{7}{32}$ "	12"	
TW5	$\frac{1}{2}$ "	$\frac{1}{4}$ "	12"	
TW6	$\frac{1}{2}$ "	$\frac{5}{32}$ "	12"	
TW7	$\frac{1}{2}$ "	$\frac{3}{16}$ "	12"	
TW8	$\frac{17}{32}$ "	$\frac{5}{32}$ "	12"	
TW10	$\frac{9}{16}$ "	$\frac{3}{16}$ "	12"	
TW16	$\frac{5}{8}$ "	$\frac{1}{8}$ "	12"	
TW18	$\frac{21}{32}$ "	$\frac{1}{8}$ "	12"	
TW20	$\frac{11}{16}$ "	$\frac{1}{8}$ "	12"	
TW26	$\frac{3}{4}$ "	$\frac{7}{32}$ "	12"	
TW28	$\frac{13}{16}$ "	$\frac{7}{32}$ "	12"	
TW30	$\frac{7}{8}$ "	$\frac{7}{32}$ "	12"	
TW32	$\frac{15}{16}$ "	$\frac{7}{32}$ "	12"	
TW34	1"	$\frac{7}{32}$ "	12"	

Standard Single End Tappet Wrench Kit

Order No.	Price
WK10	

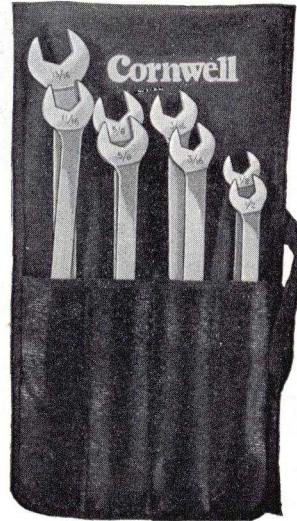
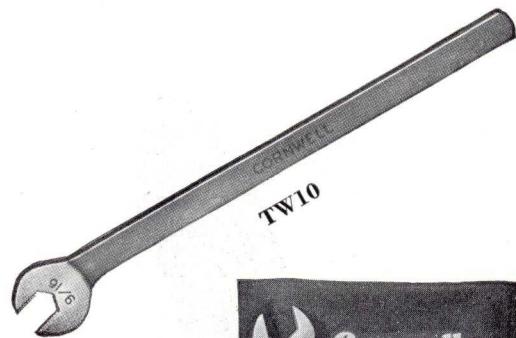
Kit contains:

2 — No. TW6 $\frac{1}{2}$ " opening	1 — No. TW20 $\frac{11}{16}$ " opening
2 — No. TW10 $\frac{9}{16}$ " opening	1 — No. TW26 $\frac{3}{4}$ " opening
2 — No. TW16 $\frac{5}{8}$ " opening	

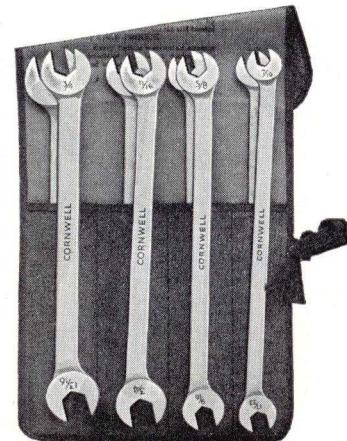
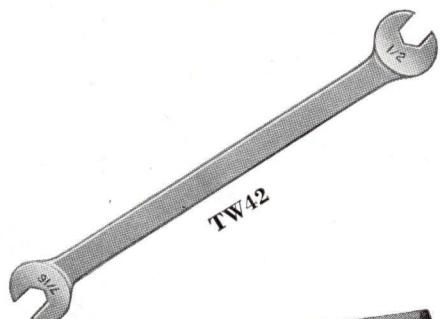
Cornwell Double-End Tappet Wrench Kit

Cornwell Double-End Tappet Wrenches, like all other Cornwell open end wrenches are Bradley hammer forged by hand from round "chrome moly" steel. They are the strongest, most practical design of any tappet wrenches on the market. Note particularly — length, opening sizes, etc. The best tappet wrench buy in the world.

Order No.	Size	Length	Price
TW42	$\frac{7}{8}$ " x $\frac{1}{2}$ "	10"	
TW44	$\frac{7}{8}$ " x $\frac{17}{32}$ "	10"	
TW46	$\frac{1}{2}$ " x $\frac{9}{16}$ "	10"	
TW48	$\frac{9}{16}$ " x $\frac{5}{8}$ "	10"	
TW50	$\frac{5}{8}$ " x $\frac{11}{16}$ "	10"	
TW52	$\frac{11}{16}$ " x $\frac{3}{4}$ "	10"	
TW54	$\frac{3}{4}$ " x $\frac{13}{16}$ "	10"	
TW56	$\frac{7}{8}$ " x 1"	10"	
WK14	Complete Set in Kit		
TW86	$\frac{1}{2}$ " x $\frac{9}{16}$ "	12"	



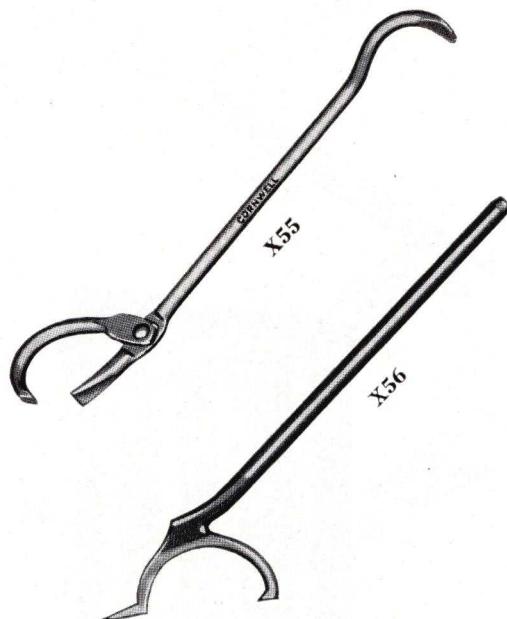
WK10



WK14



CH1



BRAKE TOOLS

Hydraulic Brake Cylinder Cleaner and Polisher

Brake cylinders require cleaning more often than actual honing. The tool will do both at the lowest possible cost for the tool and as quickly as any like tool.

Rust and muck is quickly and thoroughly cleaned in a few seconds. If pits are found after cleaning, they can be quickly removed by applying valve grinding compound to the blades. This will polish the cylinder to a mirror finish.

By simple and almost automatic adjustment, it services cylinders from 1" to 1½" inclusive. A small electric drill will drive the tool; a liberal application of alcohol in the cylinder while the tool is revolving will solvinate the dirt and keep the blades clean for the best results.

Our No.	Description	List Price
CH1	Cleaner and Polisher	
CH2	Cleaner and Polisher	
CH5	Cleaner and Polisher, includes CH1 and CH2	
CH3	Replacement Polishing Heads	
CH4	Replacement Polishing Heads	

Combination Hub Cap and Grease Remover

These combination tools are very handy in any lubrication department. They remove hub caps without marring them. Will then remove the grease cap, also the front wheel bearing, if necessary.

Order No.	Price
X55.....	
X56.....	

CORNWELL . . .

Quality Tools

BRAKE TOOLS

Brake Pedal Jack

The Brake Pedal Jack illustrated at left holds the brake pedal in any desired position while adjusting brakes. Has a handle with a ratchet feature. This tool can also be used to hold up the oil pan while bolts are being replaced; also for testing the looseness of main bearings. It can also be used to lift the fly wheel crank shaft on cars and trucks.

Order No.	Minimum Length	Maximum Length	Price
PJ2	15½"	25"	

Bendix Brake Tool

This tool is made in two styles for two-shoe Bendix brakes with the clicker adjustment. The combination will service all cars and trucks using this type brake. X2 illustrated. Also X7 lower illustration for Oldsmobile.

Order No.	Size	Price
X1	3/8" stock x 8" long	
X2	3/8" stock x 7½" long	
X7	For 1938 Chevrolet and International Truck	

Improved Ford Brake Wrench

Order No.	Price
BW69	7/8" double square x 1/2" double square x 16" long

Brake Eccentric Wrenches

Order No.	Size	Length	Price
AW32	5/8" x 1 1/4"	9"	
AW34	5/8" x 3 5/8"	9"	

Bendix and Steel-Draulic Brake Wrench

This wrench designed for adjusting Bendix and Steel-Draulic internal brakes. An ideal tool for this job. Can also be used on V8 "Con Rod" bearing nuts.

Order No.	Size	Price
BW90	3 1/2" x 10"	
	7/8" 12 pt. socket both ends	
BW92	3 1/2" x 10"	
	1/2" 12 pt. socket both ends	

Brake Spring Tongs

These Brake Spring Tongs like other CORNWELL QUALITY Tools are made from that famous Swedish chrome-moly steel. They are the most efficient Brake Spring Tools on the market. The Tongs illustrated are for the Ford; also cars equipped with Bendix Brakes.

Order No.	Length	Price
P32	14"	
P35 Truck	24" Spring Tongs	



CORNWELL

Quality Tools



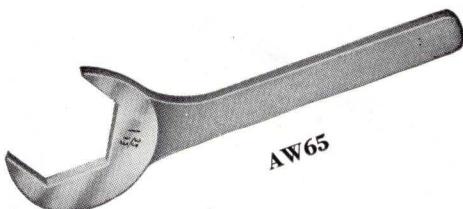
X51



X48



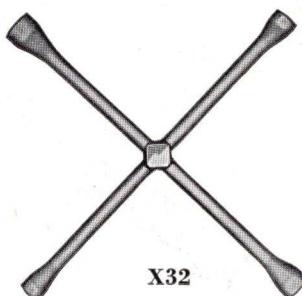
X53



AW65



X9



X32

BRAKE TOOLS

Ford Shock Link Separator and Tie Rod Spreader

The strongest and best tool of its kind on the market.

Order No.	Length	Price
X51	18"	

Brake Clevis Pin Tool

This tool is especially good on the clevis pins in emergency brakes and also it is an ideal tool for removing door hinge pins.

Order No.	Pin Size	Length Tool	Price
X48	1/4"	12"	
X49	5/16"	12"	

Pitman Arm Remover

This tool is ideal for all passenger cars and small trucks where Pitman arm extends through frame.

Order No.	Length	Price
X53	9 1/2"	

Caster Adjusting Wrench for Chrysler Products

On the 1941 models of cars, caster adjustment has been simplified by the use of eccentric bushings. The AW65 wrench will fit this adjustment on all 1941 Plymouth, De Soto, Dodge or Chrysler cars excepting the Imperial Models.

Order No.	Size	Length	Price
AW65	1 13/32"	6	

Hydraulic Brake Clip

Universal: For all passenger and commercial cars. Quickly applied. Instantly adjusted to any size brake cylinder, within its range.

Just squeeze the clip and let it snap into the Hydraulic Cylinder, before shoes are removed. The tension applied by the clip will keep the pistons in position, prevent oil leakage and accidental displacement of parts. Considerable time can be saved by clipping one on each cylinder and leaving it in position until ready for reassembly.

Made of $1/8$ " hardened spring steel wire, cadmium plated to prevent rust.

Order No.	Opening Range	Price
X9	1" to 3 1/2"	

Cornwell "4 Way" Wheel Nut Wrench

Four Way Rim Wrench. Powerful leverage and plenty of clearance, with this perfectly balanced super four way rim wrench. This new improved design has extra deep tapered sockets that fits nuts snugly. Sizes $5/8$ ", $3/4$ ", $13/16$ " and $7/8$ ". It has longer arms than the old type. This is necessary to operate on some of the new model wheels.

Order No.	Length	Price
X32	17"	

CORNWELL . . .

Quality Tools

Little Wonder Valve Lifters

The A200 Standard-Universal Little Wonder Valve Lifter and Compressor services more different cars than any other type manufactured. Has a frame 9" x 11" and is equipped with straight Standard jaws. Price includes set of three different sized Little Wonder Spring Holders for replacing re-compressed valve springs into the motor.

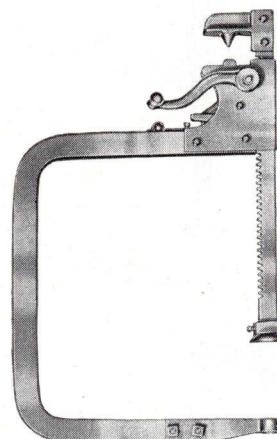
The crank handle is of ratcheting type for convenience in clearing obstructions and to permit work in restricted space. An automatic lock is provided to positively hold the spring at any desired position so that the operator's hands are both free for removal of valve locks or keepers.

This tool provides a positive, vertical lift and the Little Wonder patented spring steel jaws are so constructed that they will not slip off the spring. Resilient spring jaws will take any size spring or washer. No adjustments of jaws or other adjustment is necessary when this tool is used. Tool employs the rack and pinion principle. Designed to clear exhaust manifold and other obstructions without necessitating their removal. Rigid carbon steel frame.

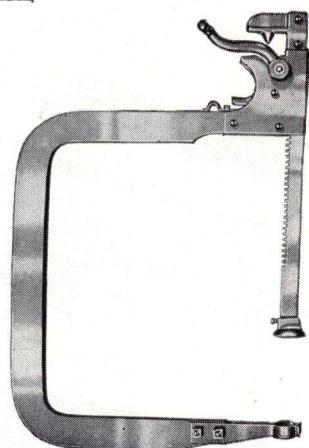
This A200 Standard tool also re-compresses the spring. The Spring Holder can be snapped around the re-compressed spring and easily replaced in motor.

Order No.	Price
-----------	-------

A200 Standard Little Wonder Tool, 9" x 11"



A200



B300

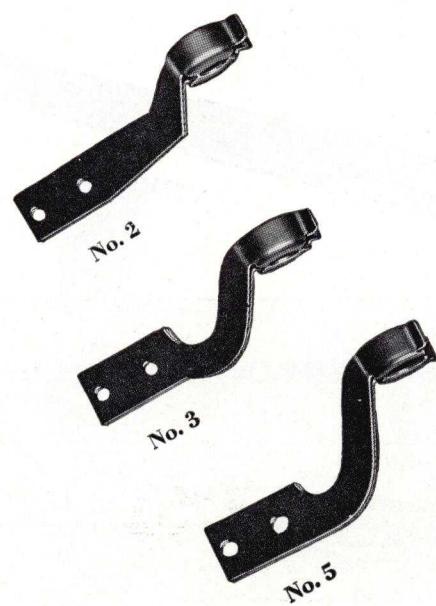
B300 Truck Special

The B300 Little Wonder Truck Special Valve Spring Lifter and Compressor, shown at the right, is just what its name implies—a heavy-duty tool for servicing large trucks, busses and tractors. Rugged construction and a frame 11" x 13" with extra power for heavy service jobs. All the Little Wonder patented features are combined with great strength and durability. Supplied with a set of three Spring Holders and equipped with patented spring steel Little Wonder jaws.

Can be used without removal of manifold.

Order No.	Price
-----------	-------

B300 Truck Special, 11" x 13"



Extra Jaws

All Little Wonder Spring Jaws are interchangeable and the offset styles may be used on this lifter for various service jobs. When equipped with the new No. 5 Special Offset Spring Jaws, the Little Wonder A200 is the only tool that will service Chrysler and Waukesha motors without removal of the manifold.

Order No.	Price
-----------	-------

No. 1 Straight Standard Spring Jaws, per pair.....

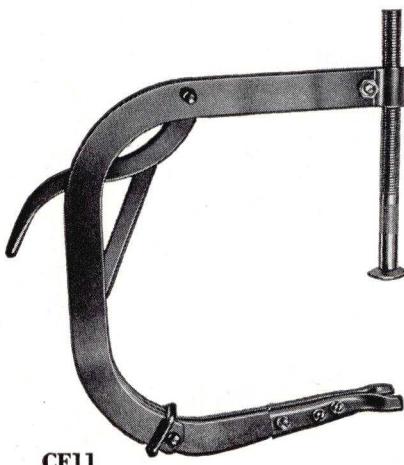
No. 2 Offset Spring Jaws, Pair.....

No. 3 Special Offset Spring Jaws, Pair.....

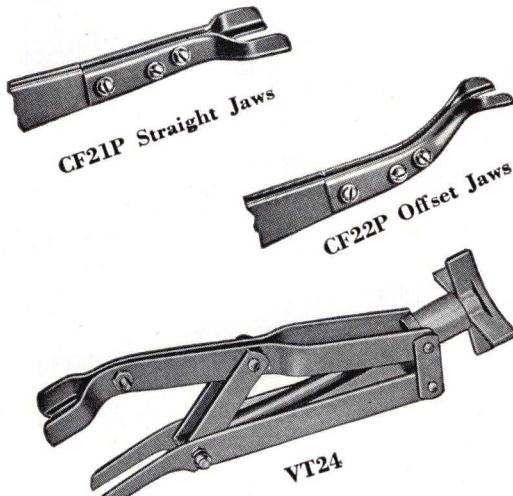
No. 5 Plymouth, Dodge and Chrysler Special Offset Jaws, Pr.

CORNWELL

Quality Tools



CF11

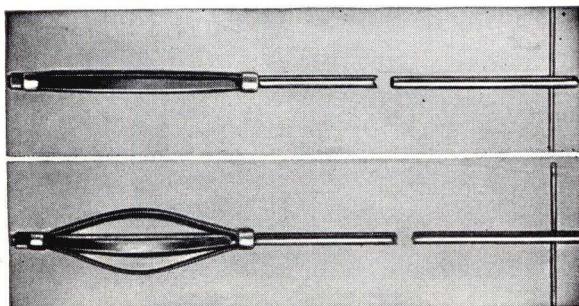


CF21P Straight Jaws

CF22P Offset Jaws



VT21



VT20

VALVE TOOLS

This "C" type Valve Lifter is so constructed that the handle is out of the way of the hood tie-rod. The floating ring will hold the lifter in any compressed position. The threaded valve stem can be adjusted for any valve lengths. Straight and "off step" jaws are of slender design for use where space is limited. It has a depressed foot with centering point to hold it securely on a valve head.

The inside frame measurements are $11\frac{1}{2}$ " deep with straight jaws $10\frac{1}{2}$ " deep with offset jaws $8\frac{1}{4}$ " space for manifold clamps.

It's a handy speed tool—a strong, adjustable and rigid lifter that stays on the valve head. Easily operated. No ratchets or gears to slip. For Overhead and L-Head Motors.

Order No.	Price
CF11	With Straight and Offset Jaws
CF21P	Straight Jaws
CF22P	Offset Jaws

Little Shorty Valve Lifter

The Little Shorty Valve Lifter has a vertical lift of $2\frac{1}{2}$ ". Jaws are practically parallel when extended and spring cage passes inside the jaw cup. This gives the required compression to easily replace or remove keys. **TRULY A LITTLE GIANT IN ITSELF.**

Order No.	Length	Price
VT24	$8\frac{1}{2}$ "	

Clark-Feather Valve Key Replacer

This Valve Key Replacer is a companion tool to the Little Shorty Valve Lifter. It has strong, durable, but tiny fingers that take a firm grip on the valve-lock keys and places them in their correct position. Then the Little Shorty releases the spring pressure gradually locking the keys in place. Tough jobs are made easy with these two companion tools. This new Improved Tool will replace the small ribbed keys of the Oldsmobile, Pontiac, Plymouth, Dodge, Chrysler, Studebaker and other motors. It's a slim tool that gets into tight places.

Order No.	Price
VT21	

Cornwell Universal Valve Guide Cleaner

The Cornwell Valve Guide Cleaner has five adjustable blades. Can be expanded large enough to take "V-8" valve guides by means of a small screw on bottom of stem. Can be used in electric drill by removing cross handle.

Order No.	Length	Price
VT20	10"	

CORNWELL . . .

Quality Tools

Ford "V-8" Valve Tools

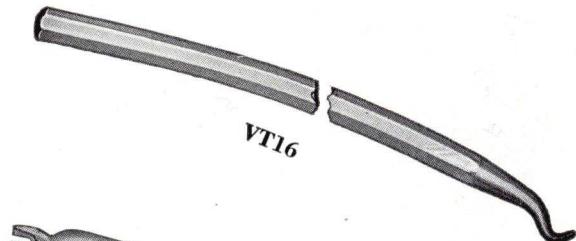
The Valve Tools featured are designed especially for Ford V-8 service. The VT16 quickly removes the Valve Guide Locks and releases the complete assembly. After the locks are removed, make one trip around the two blocks with the VT17 and bump out the loose assemblies. If any stickers are found, the VL1 jack will move them regardless of how tight.

Ford Valve Guide Lock Remover

Not Replaceable

The Cornwell Valve Guide Lock Remover is a companion tool to the Valve Guide Jack. This Guide Lock Removing tool is an innovation when it comes to removing those "burned in" valve guide locks. Just insert the end in guide lock and pull over edge of block and "out they come."

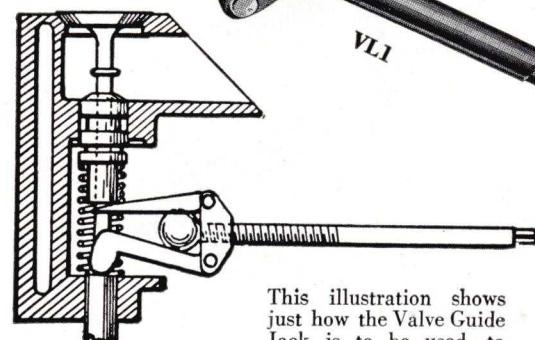
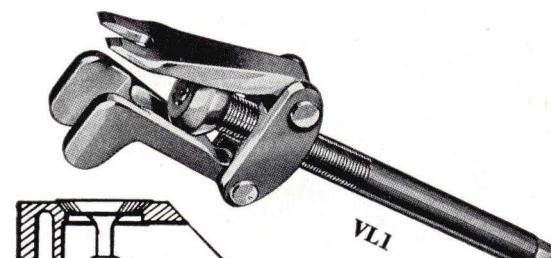
Order No.	Length	Price
VT16	18"	



Ford "V-8" Valve Lifter

The Valve Lifter illustrated above will handle all models "V-8" Fords.

Order No.	Length	Price
VT17	22"	



This illustration shows just how the Valve Guide Jack is to be used, to obtain the best results.

Ford Valve Guide Jack

The Cornwell Valve Guide Jack shown above, is the best tool ever devised for the purpose intended.

Place tool in position as illustrated below. Turn in "Spreader Screw" and you will be well pleased with the results that follow.

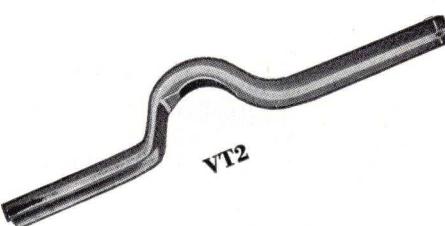
Order No.	Price
VL1	



VL1

Ford "V-8" Valve Grinding Guide

Order No.	Price
VT8	"V-8 85"



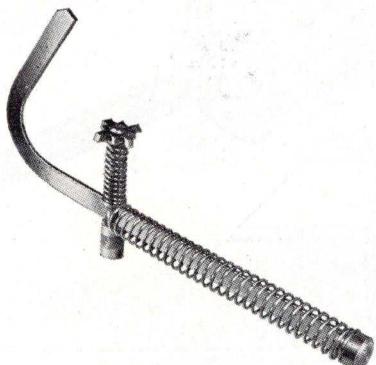
Ford Valve Guide Punches

Strong and well designed for driving down valve guides to release the valve guide lock.

Order No.	Price
VT2	"V-8 85"



VT10

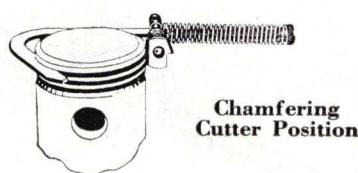


GT1



Land Reducing
Cutter Position

GT7



Chamfering
Cutter Position

GT7

Cornwell Valve Grinder

This Valve Grinder is the smoothest operating valve grinder ever made. Inside mechanism hardened to prevent wear. It is of the triple oscillating type — makes $\frac{3}{4}$ turn reverses, makes $\frac{1}{2}$ turn reverses, makes $\frac{1}{4}$ turn, then a full revolution. Has necessary equipment to handle all kinds of valves. Long stem $8\frac{1}{2}$ " overall.

Order No.	Price
VT10	(As illustrated)
	"Extra Parts"
VT11	Vacuum Cup
VT12	Spring
VT13	Narrow Two-Prong Adaptor
VT14	Wide Four-Prong Adaptor
VT15	Screw Driver Type Adaptor

Ring Groove Tools

This self adjusting Ring Groove Cleaner will not gouge or jump out of the groove. It is a hand turned tool that holds to constant pressure in cutting position. Cutter blades are made of high grade tool steel and are tempered and hardened. Should not be thrown around without cutting edges protected by FRICTION TAPE.

Order No.	Piston Size	Price
GT1	$2\frac{1}{2}$ " to $4\frac{1}{2}$ " Passenger Cars	
GT2	$4\frac{1}{2}$ " to 6" Trucks	

Groove Cleaning and Deepening Cutter and Post

Order No.	Price
GT11	Passenger Cars
GT12	Trucks

Passenger Car Cutter Blade widths: $\frac{1}{8}$ ", $\frac{1}{6}$ ", $\frac{5}{32}$ " and $\frac{5}{16}$ ". Truck Cutter Blade widths: $\frac{1}{8}$ ", $\frac{5}{32}$ ", $\frac{3}{16}$ " and $\frac{1}{4}$ ".

Land Reducing Chamfering Cutter and Post

Order No.	Price
GT7	Passenger Cars
GT8	Trucks

Master Piston Ring Compressor

The MASTER RING COMPRESSOR at right has self-locking heavy duty ratchet pawl of oil tempered spring steel.

Winding spool is broached with $\frac{1}{4}$ " square and $\frac{1}{2}$ " deep socket.

Main band is made of heavy gauge clock spring steel, and has two extra heavy "wind-up" bands with double friction brake adjustment in addition to ratchet.

Order No.	Capacity	Price
RC3	$3\frac{1}{2}$ " to 5"	
RC5	$3\frac{1}{2}$ " to 7" Truck size	



Piston Ring Compressor

This wind up type piston ring compressor, as illustrated, is made of the finest clock spring steel. It has a $\frac{1}{2}$ " wide wind up band that is mounted at the lower part of main band, thus assuring full compression of all rings at the top of the piston. Has beads on edge of band to prevent it from slipping in the cylinder. Is equipped with wind up spool with $\frac{1}{4}$ " square socket. Easy to wind up and held in place with locking device.

Order No.	Capacity	Price
RC1	$2\frac{1}{2}$ " to 5" (Pass. cars)	



Spoon Type Carbon Scraper

This Spoon Type Solid Steel Carbon Scraper when used in connection with the Flexible Wire Carbon Scraper gives you a complete set of carbon scraping tools with which you can get all of the carbon in every part of the head of any motor. It has sharp knife like edges on it and can be very easily resharpened when it becomes dull.

Order No.	Size	Price
CS1	$\frac{1}{4}$ " x $8\frac{1}{2}$ "	



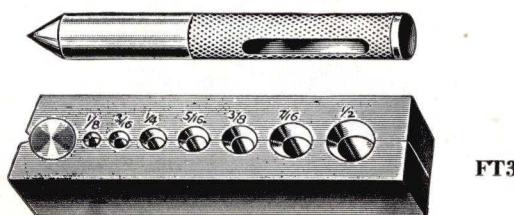
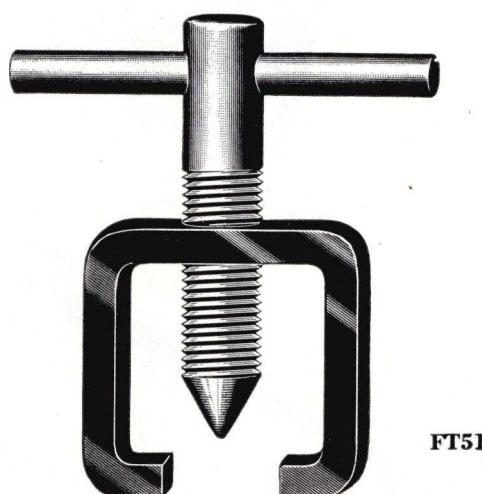
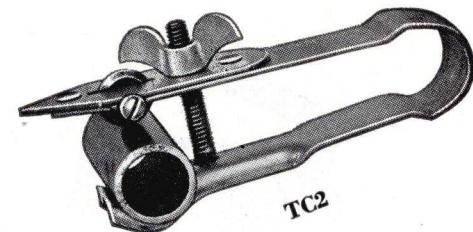
Cornwell Flexible Wire Carbon Scraper

This Scraper has a claw-like draw that scrapes with a vengeance. Being flexible, it goes into all curves peculiar to cylinder heads. You get it all, too, no escape from this scraper.

These springs are made of the strongest oil-tempered spring wire. They fit the curve of every piston head perfectly.

Order No.	Size	Price
CS2	10" Long, 1" Wide	

CORNWELL



Quality Tools

Water Pump and Tube Flanging Tools

Pump Nut Plier

A handy tool for adjusting all hex. type water pump nuts.

Order No.	Length	Price
P14	9"	

Ford "V-8" Water Pump Wrench

*For 1937 "V-8" Fords

Order No.	Length	Price
SW29	10"	

Pump Packing Hook

(Not Replaceable)

A most convenient tool for removing old packing from water pumps.

Order No.	Size	Price
X10	$\frac{1}{4}$ " x $8\frac{1}{2}$ "	

Self Feeding Tube Cutter

With Reamer

A sturdy compact special spring steel tube cutter for $\frac{1}{8}$ " to $\frac{3}{4}$ " copper, brass and lead tubing.

Cutter and reamer are made out of high grade tool steel.

Place tube in cutter and give $\frac{1}{2}$ " to $\frac{3}{4}$ " turn of thumb nut, the tension in the frame giving a gradual feed until the tube is severed.

No added turn on the thumb nut is necessary.

A speedy job without denting the tubing and a minimum burr is the result.

Order No.	Length	Capacity	Price
TC2	5"	$\frac{3}{4}$ "	

Hunt's No. 51 Flanging Clamp

This clamp used in connection with our No. 3 Die eliminates the need of the punch and enables the mechanic to do the work of flanging the tubing without removing it from the gas or oil line. Is positive in action and well made.

Order No.	Price
FT51	Clamp, only, each

No. 3 Tube Flanging Die

A combination tool for flanging copper tubing such as is used on gasoline lines, vacuum tanks, oil lines, etc. Takes seven sizes of tubing from $\frac{1}{8}$ " to $\frac{1}{2}$ " and does the job without splitting or otherwise damaging the tubing. Has a screw clamp arrangement to securely hold the tubing while flanging same. This tool is also drilled forming a cotter pin hole jig for drilling connecting rod bolts, cap screws, etc., nicely finished and lacquered to prevent rusting.

Order No.	Price
FT3	Flanging Set with punch
FT3A	Die with No. 51 Clamp, but without punch Shipping weight 2 lbs.

CORNWELL

Quality Tools

Feeler Gauge Stock and Gauges

Our feeler gauge stock in rolls or single blades is made from imported Swedish tempered steel, the same stock from which "all guaranteed" clock springs are made.

Rolled to tolerance of one ten thousandth.

Stock in 10' rolls, put up in convenient slotted tin boxes. Punched and thickness marked each foot.

Size	Price	Size	Price
.0015 x $\frac{1}{2}$ x 10'		.010 x $\frac{1}{2}$ x 10'	
.002 x $\frac{1}{2}$ x 10'		.011 x $\frac{1}{2}$ x 10'	
.003 x $\frac{1}{2}$ x 10'		.012 x $\frac{1}{2}$ x 10'	
.004 x $\frac{1}{2}$ x 10'		.013 x $\frac{1}{2}$ x 10'	
.005 x $\frac{1}{2}$ x 10'		.015 x $\frac{1}{2}$ x 10'	
.006 x $\frac{1}{2}$ x 10'		.018 x $\frac{1}{2}$ x 10'	
.007 x $\frac{1}{2}$ x 10'		.025 x $\frac{1}{2}$ x 10'	
.008 x $\frac{1}{2}$ x 10'		.040 x $\frac{1}{2}$ x 10'	
.009 x $\frac{1}{2}$ x 10'			

Extra Blades, Any Thickness

Size	Price
9" long x $\frac{1}{2}$ " wide	Each
$3\frac{1}{2}$ " x $\frac{1}{2}$ ", $2\frac{1}{2}$ " x $\frac{1}{2}$ ", $1\frac{1}{2}$ " x $\frac{1}{16}$ "	Each

Feeler Gauges

These sets are made up in arrangements for most any requirement.

Made from imported Swedish Tempered Feeler-Stock. Blades easily removed as they are held in the handle with a screw.

9 Blade Gauge

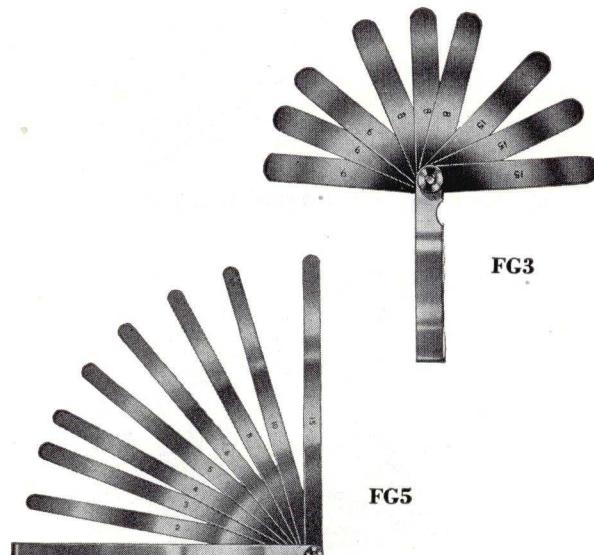
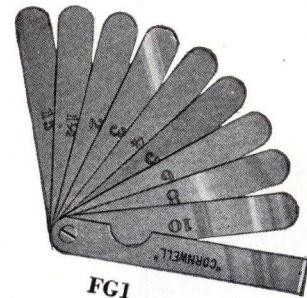
Order No.	Price
FG1	9 Blade, $3\frac{1}{2}$ " long Contains 1 each .004, .005, .007, .008, .006, .010, .011, .013, .015.

9 Blade Gauge

Order No.	Price
FG3	Economy Gauge, Special $3\frac{1}{2}$ " long Contains 3 each .006, .008, .015.

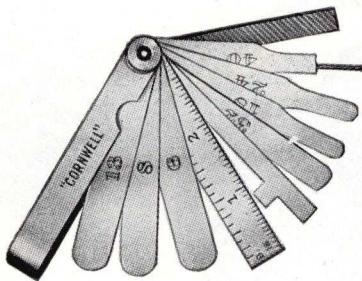
8 Blade Gauge

Order No.	Price
FG5	8 Blade, 9" long, Piston Gauge Contains 1 each .002, .003, .004, .005, .006, .008, .010, .015.

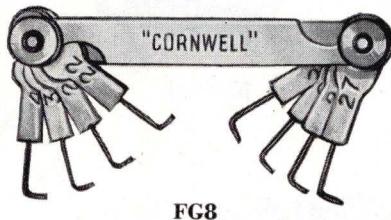


CORNWELL

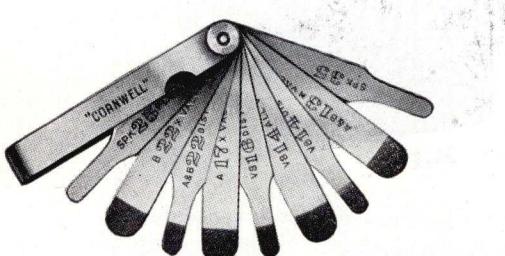
Quality Tools



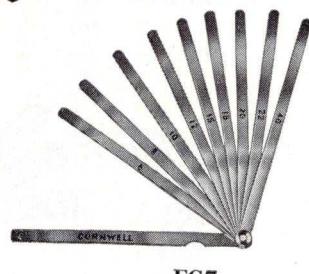
FG2



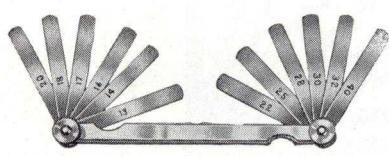
FG8



FG4



FG7



FG6

SPECIAL FEELER GAUGES

Special Chevrolet Gauge

This Special Chevrolet Gauge consists of one each .006, .008, .013, .018, .024 and .032 Special Ignition and Valve Blades. Carburetor Float Gauge, Spark Plug Gauge, 3" Scale and 3" Long Point File.

Order No.

FG2

Price

Spark Plug Gauge

This Gauge consists of one each .022, .025, .027, .028, .030, .032, .035 and .040 Wire Gauges.

Order No.

FG8

Price

Special Ford Gauge "Go and No Go"

This Special Ford Gauge takes care of the Ignition System and all Valves on all A, B and V-8 Fords. Has .025 and .035 Spark Plug Blades and one .013, two .014, one .016, one .017 and two .022 Valve and Distributor Go and No Go Blades.

Order No.

FG4

Price

Brake Gauge

Contains one each .006, .008, .010, .012, .015, .018, .020, .022 and .040, 4" long x $\frac{1}{16}$ " wide blade.

Order No.

FG7

Size

$\frac{5}{16}$ " x 4"

Price

Ignition Gauge

The ignition gauge illustrated below contains 12 blades, $1\frac{1}{2}$ " long, $\frac{1}{16}$ " wide. One each .013, .014, .016, .017, .018, .020, .022, .025, .028, .030, .032, .040. Everything you need for points and spark plugs.

Order No.

FG6

Size

3" Long

Price

CORNWELL . . .

Quality Tools

CORNWELL FEELER GAUGES

Combination Tappet and Ignition Gauge

This combination tappet and ignition gauge gives the mechanic just about everything he needs in the way of thickness gauges.

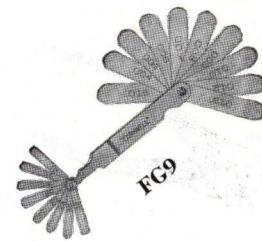
The ignition end contains one each .012, .015, .018, .020, .022, .025, .030 and .032 — $\frac{3}{16}$ " x $1\frac{1}{2}$ " blades.

The tappet end contains one each .004, .005, .006, .007, .008, .009, .010, .012, .013 and .015 — $\frac{1}{2}$ " x $2\frac{1}{2}$ " blades.

Order No.	Price
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FG9

Made from imported Swedish Tempered Feeler-Stock. Blades easily removed as they are held in the handle with a screw.



Combination Tappet and Ignition Gauge

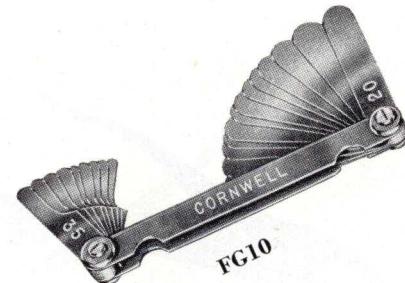
The combination 25 blade feeler gauge illustrated on left consists of the following $\frac{1}{2}$ " wide, $2\frac{3}{4}$ " length blades:

.003	.004	.005	.006	.007	.008	.009	.010
.011	.012	.013	.014	.015	.018	.020	.025

The other end has the following $\frac{3}{16}$ " width blades on working end $2\frac{1}{4}$ " long: .016 .018 .020 .022 .025 .028 .030 .032 .035

Order No.	Price
-----------	-------

FG10

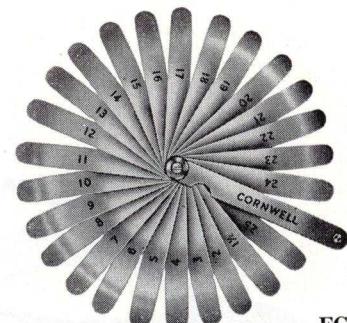


General Purpose Feeler Gauge

Consists of 25 blades from .0015 to .025 inch inclusive. Most complete for general repair and machine shop practice.

Order No.	Price
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FG25



FG25

Feeler Stock Holders

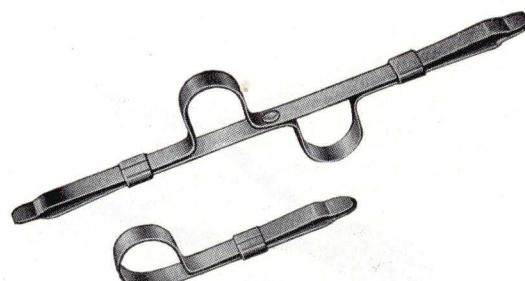
The above are excellent for the purpose designed. A small supply of any size stock can be kept in the single end, being pulled out as needed.

The double end holds 2 sizes stock and is fine for valve work. One end for intake valves and the other for exhaust valves. Needed by every mechanic.

Order No.	Length	Price
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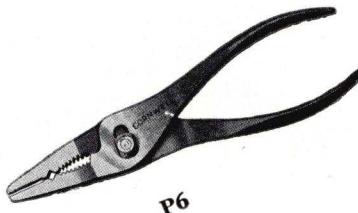
FG11	Single End	$5\frac{1}{2}$ "
FG12	Double End	6"

Feeler Stocks in rolls.— page 47.

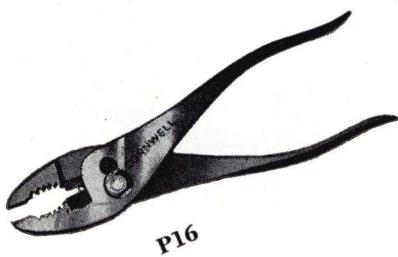


CORNWELL

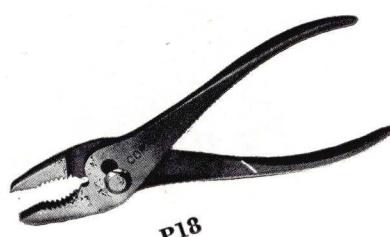
Quality Tools



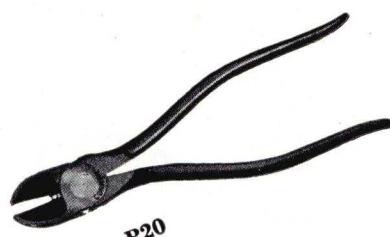
P6



P16



P18



P20

CORNWELL PLIERS

Cornwell Pliers are forged from the very best grade of alloy steel. They are individually hardened and tempered. Not case hardened, but are of the same structure throughout. Joints are accurately ground so that they will work smoothly and freely. Holes are accurately drilled, not punched. Cutting edges are hand-filed and teeth are accurately milled so that they are sharp and have positive gripping qualities. Made for mechanics who want the best pliers they can buy.

Long Nose Pliers

Special parallel grip on two adjustments for square or hex. nuts.

Order No.	Size	Price
P6	7"	

Combination Slip Joint with Side Cutters

Tremendous gripping power on flat and round stock. Precision ground cutter that will cut "clean" on anything cuttable. Do not attempt cutting music wire or tempered spring wire. Full fashioned handle.

Order No.	Length	Price
P16	7"	

Heavy Duty Pliers

A giant for gripping. Has wire cutter and adjustable slide joint.

Order No.	Length	Price
P18	9"	

Heavy Duty Diagonal Cutters

Very popular for cutting plain or insulated wire and for pulling cotter keys. Do not attempt cutting music wire or tempered spring wire.

Order No.	Size	Price
P20	7½"	

ATTEMPTS TO RE-EDGE CUTTING TYPE PLIERS VOIDS GUARANTEE

CORNWELL . . .

Quality Tools

Needle Nose Plier

(Not Replaceable)

This Plier is especially designed with long nose and handle for reaching into deep and closely confined spaces for placing and removing pins and wire.

Order No.	Length	Price
P23	7½"	



P23

Duckbill Plier

(Not Replaceable)

The big sister to the P23 Plier, excepting that it has a long flat nose and is used for placing and removing pins and wire.

The above pliers are excellent tools for radiator repair work. All typewriter repairmen will buy this plier.

Order No.	Length	Price
P22	7½"	

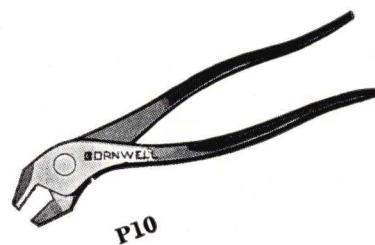


P22

Special Battery Pliers

Designed expressly for battery installation work. Grips the nuts perfectly.

Order No.	Length	Price
P10	7½"	



P10

Lineman Type Construction Plier

This modern design plier will do all the work of old style lineman plier plus a much broader field of service by reason of the round corner lighter jaws.

This plier has NO equal in the competitive field. An actual test, chilled to 40° below zero in dry ice and dropped on concrete from a six story building did not break them. No other plier would stand it.

Order No.	Length	Price
P17	8"	



P17

CORNWELL

Quality Tools



CHAMPION DEARMENT PLIERS

The Cornwell Quality Tools Company is acting only in a sales capacity on the Champion DeArment line of pliers.

They are patented, manufactured and guaranteed by The Champion DeArment Company of Meadville, Pa. Any service required thereon must be handled with the manufacturer.

The Champion Channellock Self-Gripping Pliers incorporate the new and revolutionary, powerful-gripping Channellock design. The tongue and groove Channellock joint provides a vise-like grip entirely independent of the gripping power of the user's hand. They are made of highest grade Alloy Steel and are properly heat treated. Each pliers is tested far beyond its intended capacity.

The Champion "standard pattern" pliers do not have the patented tongue and groove Channellock joint. However, they are manufactured with the same precision workmanship and high quality material. Like the Channellock, each standard pattern pliers is tested far beyond its intended capacity.

Battery Pliers — Self-Gripping

The Jaws take positive grip of the acid corroded and mutilated terminal nuts. Pressure need be applied only to one handle—the more pressure the tighter the grip.

Thin nose to clear filler caps. Joint so constructed as to remove all strain on rivet.

Made from Alloy Steel. You will be amazed at the tremendous strength built into these little 6-oz. Pliers.

Order No.	Length	Price
307	7"	

Channellock Pliers

(Heavy Duty Self-Gripping Pliers)

General utility pliers, the No. 410 which are heavy duty self-gripping pliers will hold any work of any shape with a positive pipe-wrench grip.

Will exceed a pipe-wrench in usefulness because of its light weight and streamlined design. Excellent for adjusting tie rods, turning or holding pipe—no grip required. Will hold to the job by the pull applied in the desired direction. Polished steel finish.

Order No.	Capacity	Length	Price
410	$\frac{3}{16}$ " to $1\frac{1}{8}$ "	$9\frac{1}{2}$ "	

Channellock Pump Nut Pliers

The wide range of adjustments of the No. 420 Pump Nut Pliers makes it adaptable to a multitude of uses. The Channellock adjustment eliminates wear on the joint bolt and greatly prolongs the life of the tool.

The design of these pliers make it particularly serviceable in adjusting packing-gland nuts on practically all cars, trucks and smaller industrial engines. Light and thin, but of amazing strength because of the Channellock feature. Polished steel finish.

Order No.	Capacity	Length	Price
420	$\frac{1}{2}$ " to $1\frac{1}{8}$ "	$9\frac{1}{2}$ "	

General Purpose Pliers

(Self-Gripping)

These No. 407 Pliers are primarily intended for battery work. They insure a positive grip on acid corroded and mutilated terminal nuts.

These pliers are self-gripping. Pressure need be applied only to the one handle—the more pressure, the tighter the pliers grip. Because of the Channellock feature, removing all strain from the bolt. At the same time, the nose is thin enough to clear filler caps. These pliers because of the two adjustments provided, are very useful for a great many purposes such as removing small grease plugs, Alemite and small copper pipe connections and are also adaptable to brake rod connections. Drop forged from special alloy steel and carefully heat treated.

Order No.	Capacity	Length	Price
407	$\frac{1}{8}$ " to $\frac{1}{16}$ "	7"	

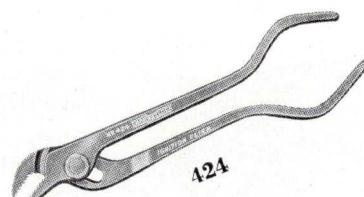


Channellock Ignition Pliers

The No. 424 Ignition Pliers incorporate the Channellock adjustment feature in order to eliminate wear on the joint bolt and lengthen the life of the tool.

Midget pliers with slim jaws with three positive locking positions give parallel fit on the nut in any position. Hand fitting handles. Polished steel finish.

Order No.	Length	Price
424	$4\frac{1}{2}$ "	

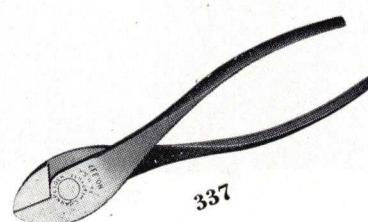


Champion DeArment Diagonal Pliers

(Lap Joint)

These are good heavy duty pliers, priced lower by reason of less expensive lap joint. Polished head with blue handle.

Order No.	Length	Price
337	7"	



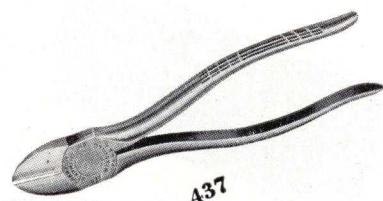
Champion DeArment Diagonal Cutters

(Box Joint)

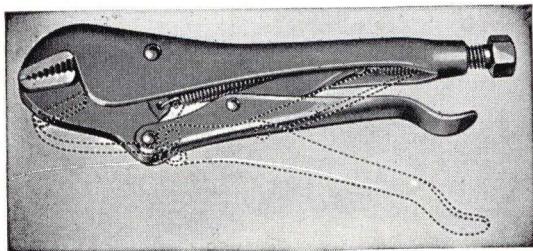
Box joint pliers precision ground on the edge so that no light shows through and will cut the finest silk-wound insulation.

Popular pliers with automobile and airplane mechanics. Polished steel finish with knurled handles.

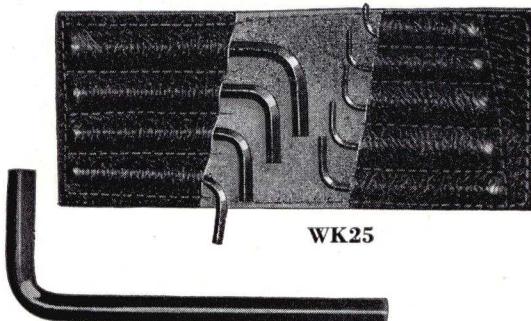
Order No.	Length	Price
437	$7\frac{1}{4}$ "	



CORNWELL



P60



WK25

HSW1



PAK10

Quality Tools

IGNITION PLIERS

This little Plier is adjustable from 0 to $\frac{1}{2}$ " opening. The slotted handle puts the jaws parallel to the nut in all positions. Even though small, it has a full hand grip. A practical tool for ignition work.

Order No.	Price
P2	

Brake Spring Tongs

These Brake Spring Tongs like other CORNWELL QUALITY Tools are made from that famous Swedish chrome-moly steel. They are the most efficient Brake Spring Tools on the market. The Tongs illustrated are for the Ford; also cars equipped with Bendix Brakes.

Order No.	Length	Price
P32	14"	
P35	24" Spring Tong	

Universal Drain Plug Wrench

The drain plug wrench illustrated above is a very sturdy tool forged from high grade tool steel, and will service drain plugs in all makes of cars where this type drain plug wrench is required.

Order No.	Price
SW51	

Peterson Vise-Grip Wrench

Vise Grip Wrench is a light, trim, adjustable wrench with tremendous gripping power that locks to the work with a vise-like grip that will not slip. Has more uses than any other single tool on the market.

Order No.	Length	Price
P60	7"	
P62	9"	

Hollow-Head Set Screw Wrenches

Order No.	Price
WK25	Hollow Set Screw Wrench Set (nine wrenches in all)

Prices of Individual Wrenches

Order No.	Price	Order No.	Price
HSW1	Size .050 hex.....	HSW15	Size $\frac{7}{16}$ " hex.....
HSW3	Size $\frac{1}{16}$ " hex.....	HSW17	Size $\frac{1}{4}$ " hex.....
HSW5	Size $\frac{5}{32}$ " hex.....	HSW19	Size $\frac{15}{16}$ " hex.....
HSW7	Size $\frac{3}{16}$ " hex.....	HSW21	Size $\frac{3}{8}$ " hex.....
HSW9	Size $\frac{1}{8}$ " hex.....	HSW23	Size $\frac{1}{2}$ " hex.....
HSW11	Size $\frac{5}{32}$ " hex.....	HSW25	Size $\frac{1}{2}$ " hex.....
HSW13	Size $\frac{7}{16}$ " hex.....	HSW27	Size $\frac{9}{16}$ " hex.....

Hollow-Head Set Screw Socket Adapters

The No. PAK10 set of ten hex plugs ($\frac{1}{4}$ " to $\frac{7}{8}$ " inclusive) will drop in the comparative size hollow hex head or "Allen" set screw; adapt your corresponding size socket and best adapted handle and the job is under control.

Order	No.	Size	Length	Price	Order	No.	Size	Length	Price
	PA4	$\frac{1}{4}$ "	$1\frac{1}{4}$ "			PA19	$\frac{15}{16}$ "	$1\frac{1}{4}$ "	
	PA7	$\frac{5}{16}$ "	$1\frac{1}{4}$ "			PA22	$\frac{5}{8}$ "	$1\frac{1}{4}$ "	
	PA10	$\frac{3}{8}$ "	$1\frac{1}{4}$ "			PA25	$\frac{11}{16}$ "	$1\frac{1}{4}$ "	
	PA13	$\frac{7}{16}$ "	$1\frac{1}{4}$ "			PA28	$\frac{3}{4}$ "	$1\frac{1}{4}$ "	
	PA16	$\frac{1}{2}$ "	$1\frac{1}{4}$ "			PA31	$\frac{7}{8}$ "	$1\frac{1}{4}$ "	
	SET No. PAK10								

Clutch Type Socket Screw Driver

Has $\frac{3}{8}$ " service.

For steering post screws on 1940 Pontiacs.

Blade is $\frac{1}{2}$ " wide and $\frac{3}{4}$ " thick.

Order No.

Price

JDL3



JDL3

Offset or "L" Drivers

For service and miscellaneous assembly work where working space is limited for vertical type screw driver.

Order No. Body Dia. Offset Lgth. Shank Lgth. Price

PD23	$\frac{5}{16}$ "	1"	2"
PD25	$\frac{1}{4}$ "	1 $\frac{1}{4}$ "	3 $\frac{1}{2}$ "
PD27	$\frac{5}{16}$ "	1 $\frac{1}{2}$ "	5"
PD29	$\frac{3}{8}$ "	1 $\frac{3}{4}$ "	6"

PDK130 One each of the four above screw drivers in leatherette kit



PD23

Cornwell Offset Screw Drivers

Here is a screw driver that will get the tough ones.

Order No. Length Blade Price

SD47	4"	5/16"
SD48	4 $\frac{1}{2}$ "	7/16"
SD49	5 $\frac{1}{2}$ "	17/32"
SD50	6 $\frac{1}{2}$ "	11/16"

Order No. Price

SD401 One each of the above in a leatherette kit



SD401

Screw Starter

For starting conventional single slotted screws in places that cannot be held with the fingers for starting. Held entirely to spring tension in the screw slot, eliminating outside holding fingers.

The grip automatically releases when the pressure reaches 8 lbs., which is a protection to the delicate mechanism. Screws must be broken loose or tightened with standard solid bit screw driver.

Order No. Length Price

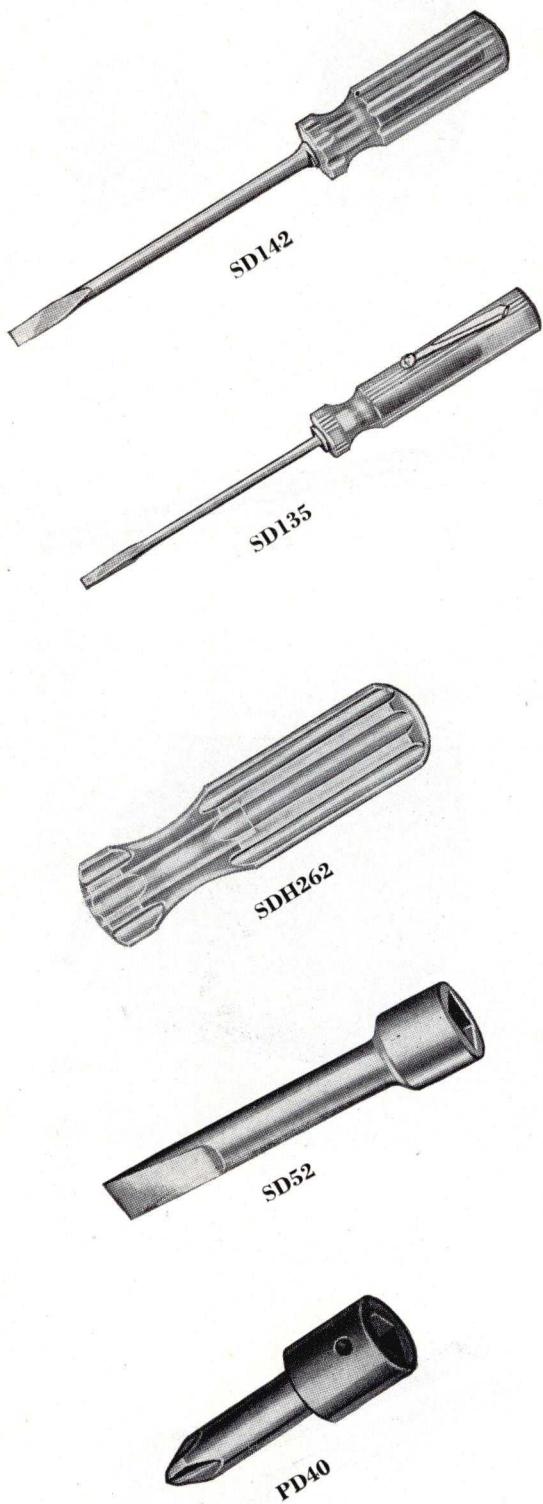
PSS1	2 $\frac{1}{2}$ "
PSS2	5"
PSS3	9"
PSS4	15"



PSS1

CORNWELL

Quality Tools



Spark-Testing Screw Drivers

(Not Replaceable)

Ground to tip on cylinder head and contact with spark plug. If plug is working properly a brilliant orange will flash in the neon tube in the handle. A weak flash indicates a bad plug, and no flash at all indicates a dead plug.

Pyrolyn Handle Shock Proof

Order No.	Length	Price
SD142	7"	

Order No.	Length	Price
SD135	5 1/2"	

Amberloid Screw Driver Handles

Amberloid Screw Driver Handles are fluted for comfortable hand fit. Has self contained fluted ferrule for rolling with thumb and forefinger. Made of absolutely non-breakable pyrolyn, drilled for a driving fit on the stock sizes listed below.

Order No.	Specifications	Price
SDH262	5/8" Dia. 2 1/8" long for 1/8" Stock	
SDH265	7/8" Dia. 3 3/4" long for 3/8" Stock	
SDH270	1 1/8" Dia. 1 3/4" long for 1/4" Stock	
SDH275	1 1/2" Dia. 3 3/4" long for 1/4" Stock	
SDH280	1 1/8" Dia. 4 1/4" long for 1/8" Stock	
SDH285	1 1/4" Dia. 5 1/4" long for 3/8" Stock	

Cornwell Socket Screw Drivers

These Socket Screw Drivers are adaptable to the 3/8" and 1/2" male service on all junior and standard socket handles. Just the thing for speedy inserting and removing of screws.

Order No.	Service	Length	Width Bit	Price
SD52	3/8"	3 1/4"	5/16"	
SD54	1/2"	3 1/2"	13/16"	

Phillips Socket Type Screw Drivers

The tip conforms to the standard Phillips type drivers and designed for use on socket handles for maximum speed and power.

Order No.	Service	Length	Point	Price
PD40	1/4"	2"	No. 2	
PD45	3/8"	2 5/8"	No. 2	
PD50	3/8"	2 5/8"	No. 3	
PD55	3/8"	2 5/8"	No. 4	
PD60	3/8"	5"	No. 4	

CORNWELL

Quality Tools

Cornwell Screw Drivers

Cornwell Screw Drivers are made from specially-treated square Chrome-Moly stock so that a wrench may be used when necessary. Cornwell Screw Drivers are made to "hang" in the screw slot and will not "climb out" as do ordinary screw drivers.

Order No.		Price	
Wood Handle	Pyro Handle	Wood Handle	Amber Handle
SD2	SD102	$\frac{1}{8}$ " Stock, $4\frac{1}{2}$ " (O.A.)	
SD4	SD104	$\frac{1}{8}$ " Stock, 5" Blade	
SD6	SD106	$\frac{1}{6}$ " Stock, $4\frac{1}{4}$ " (O.A.)	
SD8	SD108	$\frac{3}{16}$ " Stock, 3" Blade	
SD10	SD110	$\frac{3}{16}$ " Stock, 5" Blade	
SD12	SD112	$\frac{1}{6}$ " Stock, 8" Blade	
SD14	SD114	$\frac{1}{4}$ " Stock, $4\frac{1}{2}$ " (O.A.)	
SD16	SD116	$\frac{1}{4}$ " Stock, 3" Blade	
SD18	SD118	$\frac{1}{4}$ " Stock, 6" Blade	
SD20	SD120	$\frac{1}{4}$ " Stock, 10" Blade	
SD22	SD122	$\frac{1}{6}$ " Stock, 6" Blade	
SD24	SD124	$\frac{5}{16}$ " Stock, 12" Blade	
SD26	SD126	$\frac{3}{8}$ " Stock, 7" Blade	
SD28	SD128	$\frac{3}{8}$ " Stock, 12" Blade	
SD30	SD130	$\frac{3}{8}$ " Stock, 18" Blade	

Cornwell Utility Screw Drivers

Not Replaceable

These Utility Screw Drivers listed below are made from the best grade Electric Furnace Chrome-Molybdenum steel.

Order No.		Price	
Wood Handle	Pyro Handle	Wood Handle	Pyro Handle
SD89	SD189	$\frac{3}{16}$ " Stock, 3" Blade	
SD90	SD190	$\frac{3}{16}$ " Stock, 5" Blade	
SD91	SD191	$\frac{3}{16}$ " Stock, 8" Blade	
SD92	SD192	$\frac{1}{4}$ " Stock, 3" Blade	
SD93	SD193	$\frac{1}{4}$ " Stock, 6" Blade	
SD94	SD194	$\frac{1}{4}$ " Stock, 10" Blade	
SD95	SD195	$\frac{1}{6}$ " Stock, 6" Blade	
SD96	SD196	$\frac{5}{16}$ " Stock, 12" Blade	
SD97	SD197	$\frac{3}{8}$ " Stock, 7" Blade	
SD98	SD198	$\frac{3}{8}$ " Stock, 18" Blade	

Phillips Hand Type Screw Drivers

Accurately machined to conform to the five separate radii found in a Phillips tapered recess type screw head. Made in four distinct point sizes.

No need to hold screw with one hand until well started as with the slotted screw. Screw may be placed on the driver and into position with one hand, a convenience when driving in "hard-to-get-at" places.

Order No.		Price	
PD5	For screw size No. 0 to No. 4	PD8	For screw size No. 5 to No. 9— $4\frac{1}{2}$ " overall
PD10	For screw size No. 5 to No. 9	PD15	For screw size No. 10 to No. 15
PD15	For screw size No. 10 to No. 15	PD20	For screw size No. 16 to No. 24

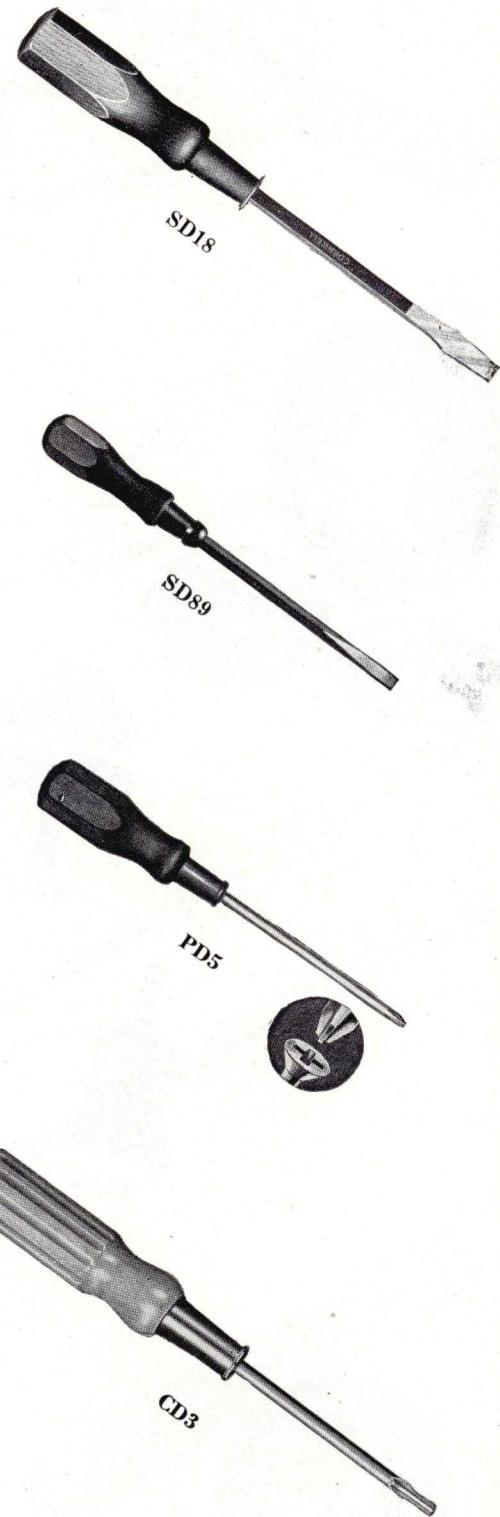
Apex Clutch Head Hand Drivers

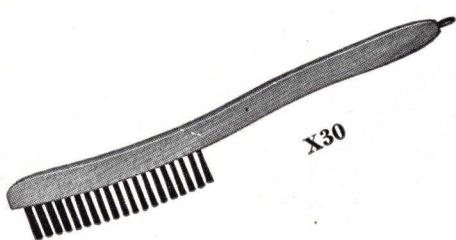
Regular Drivers — Wood Handle

Order No.	Clutch Size	Bar Dia.	Blade Length	List Price
CD3	$\frac{3}{2}$ "	$\frac{3}{16}$ "	3"	
CD5	$\frac{1}{2}$ "	$\frac{3}{16}$ "	3"	
CD7	$\frac{3}{2}$ "	$\frac{1}{4}$ "	4"	
CD9	$\frac{3}{4}$ "	$\frac{1}{4}$ "	4"	
CD11	$\frac{1}{4}$ "	$\frac{1}{6}$ "	6"	
CD13	$\frac{3}{2}$ "	$\frac{1}{6}$ "	6"	
CD15	$\frac{5}{8}$ "	$\frac{3}{8}$ "	6"	

Stubby Drivers — Wood Handle

CD17	$\frac{3}{2}$ "	$\frac{3}{16}$ "	1"
CD19	$\frac{1}{2}$ "	$\frac{3}{16}$ "	1"
CD21	$\frac{5}{8}$ "	$\frac{1}{4}$ "	$1\frac{1}{2}$ "
CD23	$\frac{3}{2}$ "	$\frac{1}{4}$ "	$1\frac{1}{2}$ "
CD25	$\frac{1}{4}$ "	$\frac{1}{6}$ "	$1\frac{1}{2}$ "





GW4

Hand and Wheel Brushes

Hand Wire Brush

Wire Brush with Screw Eye attached. First grade brush with long curved handle that prevents injury to operator's hand. Ideal for cleaning dirt, dust and other foreign matter from rims and wire wheels.

Order No.	Length	Price
X30	14"	

Heavy Duty Wheel Brushes

The quality of material used in these wire brushes makes them the toughest and longest lasting brushes of this type on the market. The crimped wire bristles are such that they will wear evenly, thus giving maximum amount of wear right down to the arbor.

Order No.	Diameter	Price
WB4	4"	
WB6	6"	
WB8	8"	

Any size may be had in any size arbor hole, from $\frac{1}{2}$ " up. **When ordering be sure to specify Arbor Hole.**

Arbor Plates, any size Bore, per pair.....

Adapter for Drill Chuck

A sturdy adapter for mounting wheel and cup brushes to a drill chuck. Can be had with $\frac{1}{4}$ ", $\frac{3}{8}$ " or $\frac{1}{2}$ " shank. Cadmium plated for rust prevention.

Order No.	Size	Price
WBA2	$\frac{3}{8}$ "	
WBA3	$\frac{1}{2}$ "	

Heavy Duty Carbon Cleaning Brushes

Fits $\frac{1}{4}$ " electric drill; is made of extra heavy **Knotted Wire** that positively will not wear or turn over sidewise. Must be seen to be appreciated.

Order No.	Price
WCBI	

Abrasive Grinding Wheels

The grinding wheels listed herein are made by one of the largest nationally known grinding wheel manufacturers, and these grinding wheels are unsurpassed in quality. They come in the following sizes:

Order No.	Diameter	Width	Arbor	Grit	Price
GW4	4"	$\frac{1}{2}$ "	$\frac{1}{2}$ "	60	
GW6	4"	$\frac{1}{2}$ "	$\frac{1}{2}$ "	36	
GW8	6"	$\frac{1}{2}$ "	$\frac{1}{2}$ "	60	
GW10	6"	$\frac{1}{2}$ "	$\frac{1}{2}$ "	36	
GW12	6"	$\frac{3}{4}$ "	$\frac{1}{2}$ "	60	
GW14	6"	$\frac{3}{4}$ "	$\frac{1}{2}$ "	36	

CORNWELL . . .

Hack Saw Frames and Blade

Standard Hack Saw Frame

Made by Atkins

This Hack Saw Frame is made of extra heavy steel. It has a polished nickel finish with pistol type grip. The frame comes complete with one short blade merely for the purpose of holding the frame together.

Order No.	Depth of Cut	Extension Frame	Price
Y15	3 $\frac{1}{4}$ "	8" to 12"	
Y16	3 $\frac{3}{4}$ "	8" to 12"	

"Cornwell Junior" Hack Saw

Complete with One Blade

A good saw, light and inexpensive. For copper tubing and light sheet metal work.

Order No.	Length Over All	Price
Y1	9 $\frac{1}{2}$ "	
Y6	Blades for the above — per dozen	

Junior Hack Saws

The larger "Senior" saws will be of no help on small or inside work. This pair of "Juniors" will get the job done. The Y3 will work into a $\frac{1}{4}$ " diameter hole and graduates to $\frac{3}{8}$ " cutting depth at the back. The Y5 has $\frac{5}{8}$ " cutting depth the full length of the 6" blade.

Order No.		Price
Y3	Tapered Back	
Y5	Straight Back	

Atkins Hack Saw Blades

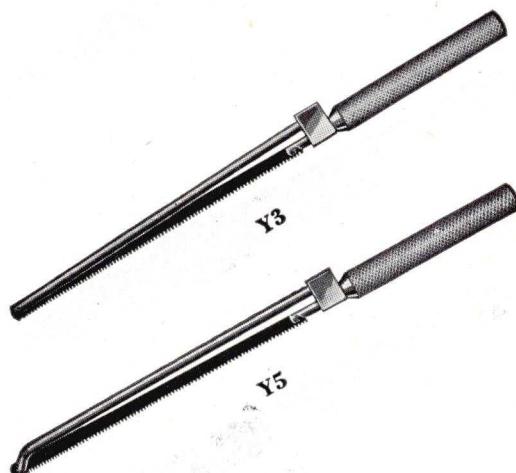
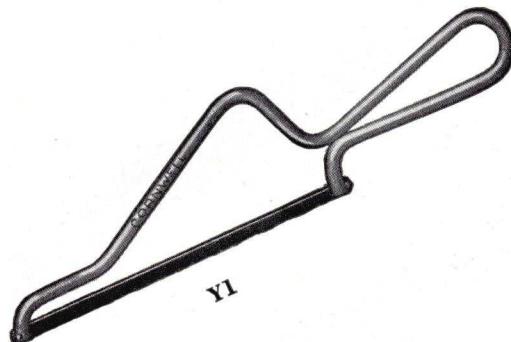
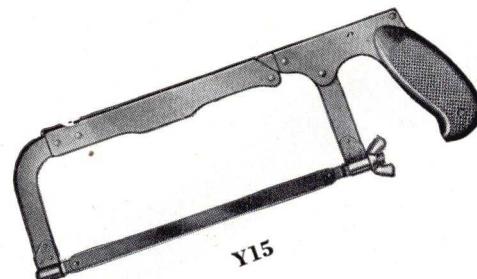
These Hack Saw Blades, while not a CORNWELL product, are CORNWELL QUALITY through and through. They were selected by us after exhaustive experiments and we believe they are the best blade for the Garage Mechanic. **Sold in Dozen Lots only.**

Order No.	Length	Price Per Dozen
Y10	10" — 24 Point	
Y12	12" — 24 Point	

Silver Steel Blades

Order No.	Length	Each
Y10S	10" — 24 Point	
Y12S	12" — 24 Point	

Quality Tools



CORNWELL

Quality Tools



CORNWELL CHISELS

Cornwell Chisels are made strong and tough, of the very highest grade Chrome Molybdenum Steel. The blades can be filed or carefully ground back whenever necessary, thus giving them longer life than any other chisel you can buy. They are made exceptionally strong and durable, primarily for use in automotive repair work. A common test is cutting a Chrome Nickel steel axle shaft.

Flat Chisels

Flat Chisels are commonly used for cutting out damaged parts that cannot otherwise be removed. It is also a tool for chipping rough work. Their toughness will stand wedging, whereas a more brittle chisel would not stand the side strain.

Order No.	Stock Size	Length	Price
FC2	$\frac{5}{16}$ "	4"	
FC4	$\frac{1}{2}$ "	5"	
FC6	$\frac{3}{8}$ "	6"	
FC8	$\frac{1}{2}$ "	$6\frac{1}{4}$ "	
FC10	$\frac{5}{8}$ "	$7\frac{1}{2}$ "	
FC12	$\frac{5}{8}$ "	11"	
FC14	$\frac{3}{4}$ "	7"	
FC16	$\frac{3}{4}$ "	9"	
FC18	$\frac{7}{8}$ "	$7\frac{1}{2}$ "	
FC20	$\frac{7}{8}$ "	11"	
FC22	$\frac{7}{8}$ "	16"	

Cape Chisels

The Tool for Splitting Nuts

Primarily designed for cutting key-ways. Very useful for wrecking work and the proper tool for splitting nuts.

Order No.	Stock Size	Length	Price
CC2	$\frac{1}{8}$ "	$4\frac{1}{4}$ "	
CC4	$\frac{5}{16}$ "	$5\frac{1}{2}$ "	
CC6	$\frac{3}{8}$ "	6"	
CC8	$\frac{1}{2}$ "	$6\frac{3}{4}$ "	
CC10	$\frac{5}{8}$ "	$7\frac{1}{2}$ "	
CC12	$\frac{5}{8}$ "	11"	

Diamond Point Chisels

Designed for removing studs and cutting welding grooves. Made of high quality steel and toughened to withstand shock as well as twist.

Order No.	Stock Size	Length	Price
DC2	$\frac{1}{8}$ "	$5\frac{1}{2}$ "	
DC4	$\frac{3}{8}$ "	6"	
DC6	$\frac{1}{2}$ "	$6\frac{3}{4}$ "	
DC7	$\frac{3}{4}$ "	7"	
DC8	$\frac{7}{8}$ "	$7\frac{1}{2}$ "	

Gouge Chisels

Commonly used for cleaning oil grooves, or cutting new ones. Made of high quality steel and toughened to withstand shock.

Order No.	Stock Size	Length	Price
GC2	$\frac{5}{16}$ "	5"	
GC4	$\frac{3}{8}$ "	6"	
GC6	$\frac{1}{2}$ "	$6\frac{1}{2}$ "	
GC8	$\frac{3}{8}$ " O. G.	6"	

Bolt and Rivet Busters

Designed especially for shearing bolt and rivet heads. The cutting edge lying flat to the surface acts as a shear against the bolt or rivet head, leaving a clean cut that the rivet or bolt may readily drop out.

Order No.	Size	Price
RB2	$\frac{3}{4}$ " x 11" Long	
RB4	$\frac{7}{8}$ " x 22" Long	

Flat Chisel Kit

A kit of five genuine CORNWELL QUALITY Flat Chisels. Consists of one each Nos. FC4, FC6, FC8, FC10, FC16.

Order No.	Price
CK4	

CORNWELL

PUNCHES

In the manufacture of our line of punches much consideration is given to the various uses, such as straight driving against a hardened pin, or using them as a line-up tool. They must be hard enough to stand driving contact with a hardened pin, and hard enough to stand the prying strain in lining-up work.

The highest quality steel, processed the Cornwell way, makes a high quality of punches.

Pin Punches

These Punches, as their name implies, are used only for driving out pins. The entire long point has the same diameter for following a pin through the opening. Made of special steel, treated and toughened to withstand the strain to which this tool is subjected.

Always use a rivet punch for starting or breaking a pin loose, and use a hammer comparable to the size of the punch.

Order No.	Size	Price
*PP2	1/4" Stock, 1/8" Point, 4 1/4" Long	
*PP4	1/4" Stock, 5/16" Point, 4 1/4" Long	
*PP6	1/4" Stock, 3/8" Point, 4 1/4" Long	
*PP8	1/4" Stock, 1/8" Point, 4 1/4" Long	
PP10	1/8" Stock, 3/16" Point, 4 3/4" Long	
PP12	3/8" Stock, 3/16" Point, 5 1/2" Long	
PP14	1/2" Stock, 1/4" Point, 7" Long	
PP16	1/2" Stock, 3/8" Point, 8" Long	
PP18	5/8" Stock, 3/8" Point, 9" Long	

*—Not Replaceable.

Square Punches Not Replaceable

As their name implies, "Cornwell" Square Punches are made of specially-treated square stock and have a twisted square tapered point. Their most common use is in removing broken-off studs and bolts or alemite couplings.

Order No.	Size	Price
EO2	1/4" x 4" Long	
EO4	3/16" x 4 1/4" Long	
EO6	3/8" x 4 1/2" Long	
EO8	1/2" x 4 5/8" Long	

Drift Punches

Made with long taper for lining up work. A convenient tool for setting up machinery or any structural work.

Order No.	Size	Price	Order No.	Size	Price
*DP2	1/4" x 5"		DP8	1/2" x 9"	
DP4	1/8" x 6"		DP10	5/8" x 11"	
DP6	3/8" x 8"		DP12	5/8" x 16"	

Plain or Rivet Punches

Heavily constructed primarily for strenuous driving work. They have a slight taper and heavy face are hand-made with the same care, precision and expert treatment that is employed in the making of the famous "Cornwell" Chisels. They will bear up under the most strenuous tests and exacting requirements. They are praised and used by mechanics everywhere.

Order No.	Size	Price	Order No.	Size	Price
RP2	5/16" x 4"		RP10	5/8" x 11"	
RP4	3/8" x 5"		RP12	3/4" x 11"	
RP6	1/2" x 6 1/2"		RP14	7/8" x 12"	
RP8	5/8" x 7 1/2"				

Center Punches

Made for layout work for drill locations. Will mark any kind of treated steel excepting cyanide and case hardened.

Order No.	Size	Price	Order No.	Size	Price
CP2	5/16" x 4" Long		CP6	1/2" x 5 1/2" Long	
CP4	3/8" x 5" Long		CP8	7/8" x 22" Long	

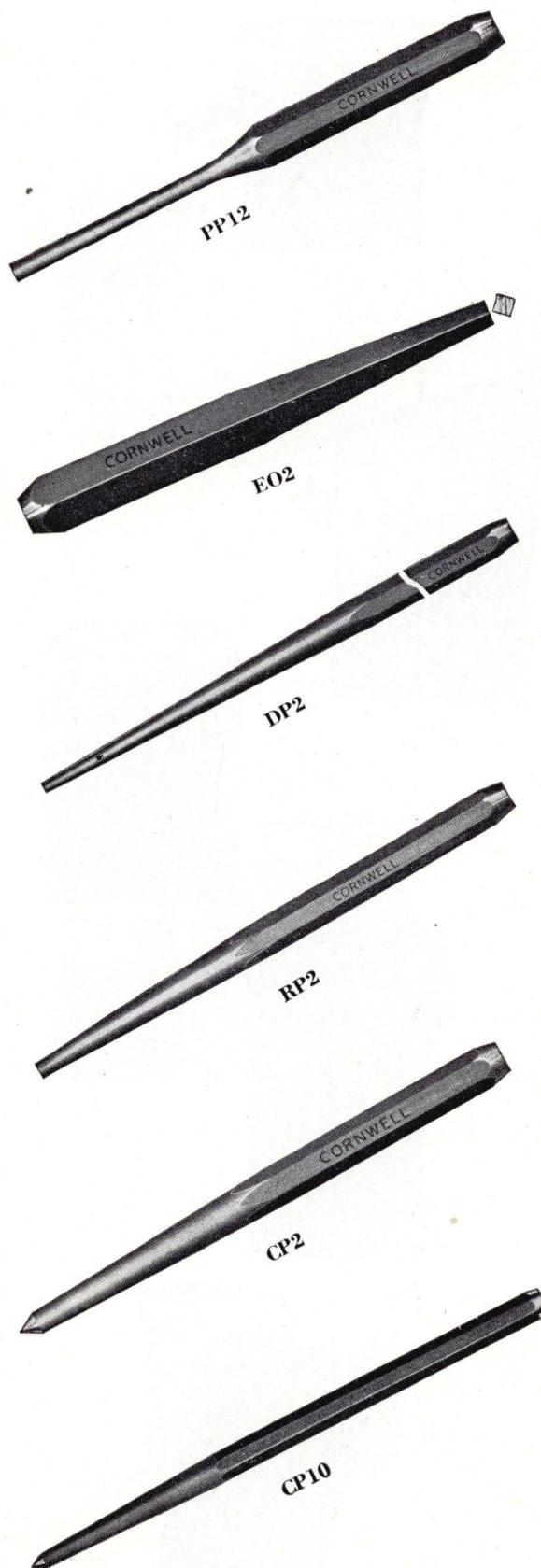
Prick Punch

Used extensively by Tinners and Sheet Metal Workers for layout work, or piercing sheet metal for rivet holes.

Order No.	Size	Price
CP10	5/16" x 6" Long	

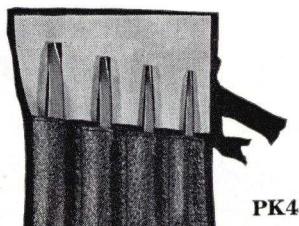
*Not Replaceable.

Quality Tools

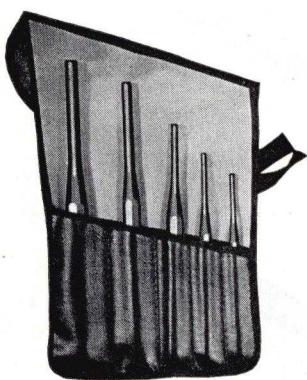


CORNWELL

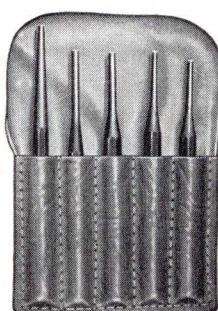
Quality Tools



PK4



PK8



PK2



PK6



CK2

PUNCH KITS

Square Punch Kit

Kit illustrated contains one each of the following:

Order No.	Price
PK4	
EO2	$\frac{1}{4}'' \times 4''$ Long
EO4	$\frac{5}{16}'' \times 4\frac{1}{4}''$ Long
EO6	$\frac{3}{8}'' \times 4\frac{1}{2}''$ Long
EO8	$\frac{1}{2}'' \times 4\frac{5}{8}''$ Long

Pin Punch Kit

Kit illustrated contains one each of the following:

Order No.	Price
PK8	
PP10	$\frac{5}{16}''$ Stock, $\frac{5}{32}''$ Point, $4\frac{3}{4}''$ Long
PP12	$\frac{3}{8}''$ Stock, $\frac{15}{16}''$ Point, $5\frac{1}{2}''$ Long
PP14	$\frac{1}{2}''$ Stock, $\frac{15}{16}''$ Point, $7''$ Long
PP16	$\frac{1}{2}''$ Stock, $\frac{15}{16}''$ Point, $8''$ Long
PP18	$\frac{5}{8}''$ Stock, $\frac{3}{8}''$ Point, $9''$ Long

Pin Punch Kit

Kit illustrated contains one each of the following:

Order No.	Price
PK2	
DP2	$\frac{1}{4}'' \times 5''$ Drift or Starter Punch
PP8	$\frac{1}{4}'' \times 1\frac{1}{8}'' \times 4''$ Pin Punch
PP2	$\frac{1}{4}'' \times \frac{15}{16}'' \times 4''$ Pin Punch
PP4	$\frac{1}{4}'' \times \frac{3}{8}'' \times 4''$ Pin Punch
PP6	$\frac{1}{4}'' \times \frac{5}{32}'' \times 4''$ Pin Punch

Drift Punch Kit

Kit illustrated contains one each of the following:

Order No.	Price
PK6	
DP2	$\frac{1}{4}'' \times 5''$
DP4	$\frac{5}{16}'' \times 6''$
DP6	$\frac{3}{8}'' \times 8''$
DP8	$\frac{1}{2}'' \times 9''$
DP10	$\frac{5}{8}'' \times 11''$

Vest Pocket Kit

As the name implies, this kit is a vest pocket kit; always at hand for general maintenance work. Put up in genuine leather kit.

Order No.	Price
CK2	
FC2	$\frac{5}{16}'' \times 4''$ Flat Chisel
CC2	$\frac{5}{16}'' \times 4''$ Cape Chisel
CP2	$\frac{5}{16}'' \times 4''$ Center Punch
RP2	$\frac{5}{16}'' \times 4''$ Plain or Rivet Punch
PP8	$\frac{1}{4}'' \times 4''$ Pin Punch

CORNWELL . . .

Quality Tools

Combination Punch and Chisel Kits

A variety of Kits consisting of assortments which have been assembled after considerable study of mechanic's needs over many years of experience.

Expert Mechanics Kit

Punch and Chisel Assortment

A complete Punch and Chisel Assortment for light and heavy duty work. Leatherette roll.

Order No. Price

CK10 Expert Mechanics Punch and Chisel Kit

1—No. FC16	$\frac{3}{4}'' \times 9''$	Flat Chisel
1—No. RP8	$\frac{5}{8}'' \times 7''$	Plain or Rivet Punch
1—No. FC10	$\frac{5}{8}'' \times 7''$	Flat Chisel
1—No. DP8	$\frac{1}{2}'' \times 9''$	Drift Punch
1—No. RP6	$\frac{1}{2}'' \times 6\frac{1}{2}''$	Plain or Rivet Punch
1—No. DC6	$\frac{1}{2}'' \times 6\frac{1}{2}''$	Diamond Point Chisel
1—No. CC8	$\frac{1}{2}'' \times 6\frac{1}{2}''$	Cape Chisel
1—No. CP6	$\frac{1}{2}'' \times 5\frac{1}{2}''$	Center Punch
1—No. PP14	$\frac{1}{2}'' \times \frac{5}{8}'' \times 7''$	Pin Punch
1—No. FC8	$\frac{1}{2}'' \times 6\frac{1}{2}''$	Flat Chisel
1—No. CC6	$\frac{3}{8}'' \times 6''$	Cape Chisel
1—No. RP4	$\frac{3}{8}'' \times 5''$	Plain or Rivet Punch
1—No. CC4	$\frac{3}{8}'' \times 6''$	Gouge Chisel
1—No. CC4	$\frac{1}{6}'' \times 5\frac{1}{2}''$	Cape Chisel
1—No. FC6	$\frac{3}{8}'' \times 6''$	Flat Chisel
1—No. GC2	$\frac{1}{6}'' \times 5''$	Gouge Chisel
1—No. EO4	$\frac{1}{6}'' \times 4\frac{1}{2}''$	Square Punch



CK10

Punch and Chisel Kit

A large Punch and Chisel Assortment for general use. Leatherette roll.

Order No. Price

CK8 Punch and Chisel Kit

1—No. DP8	$\frac{1}{2}'' \times 9''$	Drift Punch
1—No. FC10	$\frac{5}{8}'' \times 7''$	Flat Chisel
1—No. PP14	$\frac{5}{8}'' \times 7''$	Pin Punch
1—No. FC8	$\frac{1}{2}'' \times 6''$	Flat Chisel
1—No. RP6	$\frac{1}{2}'' \times 6\frac{1}{2}''$	Plain Punch
1—No. CP6	$\frac{1}{2}'' \times 6\frac{1}{2}''$	Center Punch
1—No. PP12	$\frac{3}{8}'' \times 5''$	Pin Punch
1—No. RP4	$\frac{3}{8}'' \times 5''$	Plain Punch
1—No. FC6	$\frac{3}{8}'' \times 6''$	Flat Chisel
1—No. PP10	$\frac{1}{6}'' \times 5''$	Pin Punch
1—No. DC2	$\frac{1}{6}'' \times 5''$	Diamond Point
1—No. CC2	$\frac{1}{6}'' \times 4''$	Cape Chisel



CK8

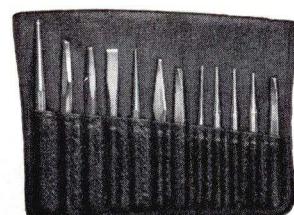
Punch and Chisel Kit

Especially good for Airplane work. Worked out by the largest Air College in the world.

Order No. Price

CK7 Punch and Chisel Kit

1—No. CP10	$\frac{5}{8}'' \times 6''$	Prick Punch
1—No. GC2	$\frac{5}{8}'' \times 5''$	Gouge Chisel
1—No. DC2	$\frac{1}{6}'' \times 5''$	Diamond Pt. Chisel
1—No. FC4	$\frac{1}{6}'' \times 5''$	Flat Chisel
1—No. DP2	$\frac{1}{4}'' \times 5''$	Drift Punch
1—No. CC2	$\frac{1}{6}'' \times 4\frac{1}{4}''$	Cape Chisel
1—No. EO4	$\frac{1}{6}'' \times 4\frac{1}{4}''$	Square Punch
1—No. PP8	$\frac{1}{4}'' \times \frac{1}{3}'' \times 4\frac{1}{4}''$	Pin Punch
1—No. PP6	$\frac{1}{4}'' \times \frac{3}{8}'' \times 4\frac{1}{4}''$	Pin Punch
1—No. PP4	$\frac{1}{4}'' \times \frac{5}{8}'' \times 4\frac{1}{4}''$	Pin Punch
1—No. PP2	$\frac{1}{4}'' \times \frac{1}{2}'' \times 4\frac{1}{4}''$	Pin Punch
1—No. EO2	$\frac{1}{4}'' \times 4''$	Square Punch



CK7

CORNWELL

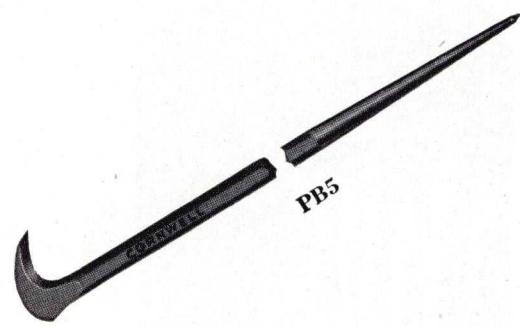
Quality Tools



PB3



PB4



PB5



PB6

PRY BARS

Every Pry Bar in our line represents a solution to a pry bar need and was made upon recommendation of a master mechanic for a bar to meet a specific problem. Our bars will unquestionably stand up to the toughest job.

Made of $\frac{1}{2}$ " octagon stock, 16" long. Has a rolling type hook on one end for prying off gears or clamps. The roll design gives it a "follow-up" for removing parts on long shafts or bearings. The other end has standard short pinch with exceptional leverage for breaking loose a corroded or tight part.

Order No.	Size	Price
PB3	16" Long	

Made of $\frac{1}{2}$ " square stock, 16" long. A double end tool, each end for a different purpose. A short pinch on one end which gives it exceptional leverage. A pointed end long tapered drill on the other end for lining up holes in assembly work. Useful in assembly work on any type of machinery.

Order No.	Size	Price
PB4	16" Long	

Made of $\frac{1}{2}$ " octagon stock, 16" long. A double end, double purpose tool. One end has a long rolling pinch effect and the other end a pointed taper for lining-up work.

Order No.	Size	Price
PB5	16" Long	

Made of $\frac{5}{8}$ " octagon stock, 23" long. A pinch and lining-up bar. This size and length makes it a definitely **heavy duty bar**.

Order No.	Size	Price
PB6	23" Long	

CORNWELL . . .

Quality Tools

Rivet Sets • Shackle Bolt Remover

A line of Hand Tools made of high quality steel for general service or emergency work on frames, wheels or chassis.

Cornwell Rivet Sets

These punch type rivet sets are especially designed for riveting work. Countersunk at point. Have an exceptionally heavy shoulder left to avoid breakage at the point. Ideal for ring gear work.

Order No.	Stock Size and Length	Price
RS1	$\frac{9}{16}$ " x 4 1/2"	
RS4	$\frac{3}{4}$ " x 5"	
RS7	$\frac{7}{8}$ " x 7"	

Hub-Bolt Riveters

For heading up Hub Bolts when mounting new brake drums or replacing Hub Bolts. The strongest tool of its kind on the market.

Order No.	Bolt Size	Price
BR1	Chevrolet Passenger $\frac{7}{16}$ "	
BR2	Ford Passenger $\frac{1}{2}$ "	
BR7	Ford Truck $\frac{5}{8}$ "	
BR3	Chevrolet Truck $\frac{1}{2}$ "	
BR5	Ford Truck $\frac{3}{4}$ "	

Ford "V-8" Shackle Bolt Remover and Inserter

Tool No. BP8 will handle all passenger cars. Made in five lengths from 7" to 36" inclusive for clearance in various operational stages such as fenders, bumpers, etc.

When inserting new shackle bolts in springs, first place shackle bolt in eye of old spring and drive new shackle bolt in new spring. This prevents buckling of metal cover while inserting new shackle bolt.

Order No.	O.D. of Tool	I.D. of Tool	Length	Price
BP8	.740"	$\frac{1}{2}$ "	7"	
BP16	.740"	$\frac{17}{32}$ "	16"	

Truck Shackle Bolt Remover and Inserter

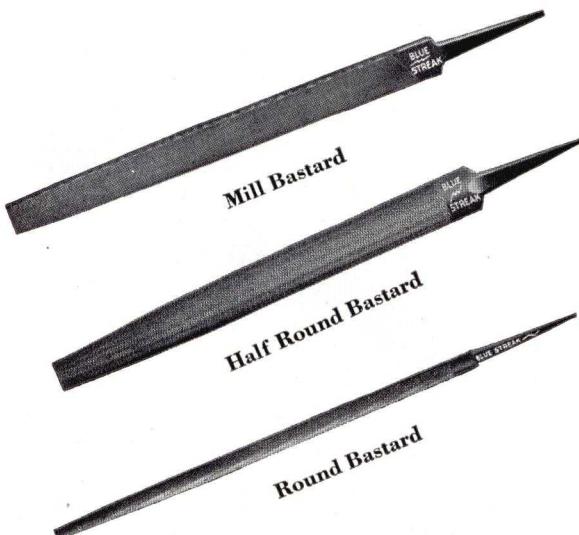
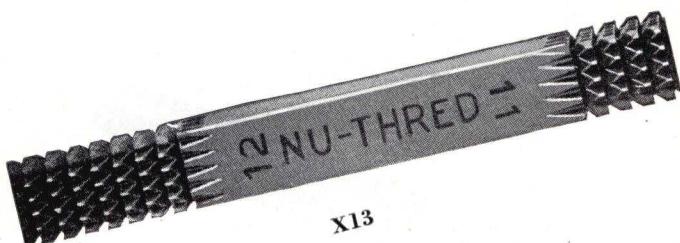
Operation same as on pleasure cars. The dimensions given are for service on larger truck shackles.

Order No.	C.O. of Tool	Length	Price
BP12	1.115"	$\frac{3}{4}$ "	



CORNWELL

Quality Tools



Cornwell Nu-Thred Thread Restorer

This tool is a real necessity for the automobile owner, the garage, the machine shop, and should be in the mechanics' kit.

The X13 tool has the following threads per inch on it: 11, 12, 13, 14, 16, 18, 20 and 24.

The X14 tool has the following threads per inch on it: 9, 10, 15, 16, 20, 26, 28 and 32.

Order No.	Price
X13	
X14	

Axle Rethreading Die

This axle rethreading die is used for rethreading axles without removing them from the housing.

When wheels are removed with difficulty by means of the knock-off type wheel puller the threads are occasionally damaged and this Axle Rethreading Die will quickly rechase the threads without loss of time. The die is split for quick application and is fitted to the threads at the back end of the axle and rechases the threads through the damaged portion of their length. **ALWAYS APPLY THE TOOL TO THE REAR OF THE THREAD AND BACK IT OFF.**

Has the following S.A.E. thread sizes: $\frac{5}{8}$ ", $\frac{3}{4}$ ", $\frac{7}{8}$ ", 1", $1\frac{1}{8}$ " and $1\frac{1}{4}$ ".

Order No.	Length	Price
AD2	11"	

Gasket Punch Set

This handy set of detachable gasket punches in seven sizes — $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{2}$ ", $\frac{9}{16}$ " and $\frac{5}{8}$ ", with handle for use on any of the above size punches, for use in punching holes in fibre or cork gaskets.

Order No.	Price
79P	

Blue Streak Brand

American Pattern Files

The Automotive service line of American pattern files.

For production filing — steel, brass, bronze, and aluminum castings, die castings, etc. Also for die, tool and pattern work, and many other uses where fast-cutting qualities are designed.

The following are the most commonly used files. Additional kinds, sizes and cuts are available. American pattern files are made in three coursenesses of cuts — Bastard (course) — Second cut (medium) — Smooth cut (fine).

The bastard cut is the most popular for automotive service, and when ordering be sure to specify:

1. The kind of file wanted (Mill, Round, Half Round, etc.).
2. Courseness of cut (Bastard, Second cut or Smooth cut).
3. The size (length).

MILL BASTARD

Size Inches	Price Dozen	Price Each
6		
8		
10		
12		
14		
16		

HALF ROUND BASTARD

Size Inches	Price Dozen	Price Each
6		
8		
10		
12		

ROUND BASTARD

Size Inches	Price Dozen	Price Each
6		
8		
10		
12		

CORNWELL

Quality Tools

THE CORNWELL "CORRECT MEASURE" TOE-IN TRAM STICK

quickly points out incorrect alignment of front wheels. Do not be confused by the cut showing two sticks in position. We are showing one stick in the two required positions to get the existing toe-in or out.

First, place pointer B on the center line of the scale and lock with the thumb screw. Pass the stick under the car at the rear of the wheels as shown in position No. 1, and with point C against the inside of the left tire, with the stick behind the tire to assure proper position. No leveling is required as legs D automatically does the leveling. Slide bracket A so the indicator B touches the outside of the right tire. Lock in position with the large WING nut at A. You will now have the measurement at the widest point.

Remove the stick from beneath the car and unlock the indicator with the thumb screw at B so the indicator is free, but DO NOT release the large WING nut A, as this position must be held. Place the stick in front of the wheels in position No. 2 with the pointer C against the inside of the right tire, with the stick in the front to assure accurate position. Move the indicator B against the outside of the left tire with the stick against the front. The pointer will show the exact toe-in or out. The calibrations on the scale are sixteenths of an inch.

To service all pleasure cars, busses and trucks the stick is made in 6, 7 and 8 foot lengths.

Stock No.	Price
TG6	6 Foot Length
TG7	7 Foot Length
TG8	8 Foot Length

Cornwell-Krumm Caster and Camber Gauge

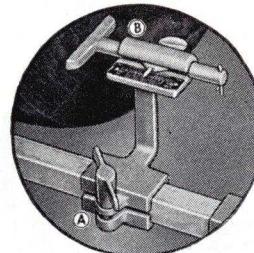
The reason for SHIMMYING-WANDERING or many other bad habits of an automobile may be easily corrected if you will consult the KRUMM Camber and Caster gauge. Every automotive repair man is confronted with this question daily: What causes this left or right tire to wear faster than the other? What causes this car to shimmy? What causes this car to wander? And many other questions that can only be answered by use of an instrument designed for ferreting out these causes, which in most cases will be found due to existing camber or caster.

Many of the larger service stations are equipped with large, expensive racks for checking camber and caster as well as correcting it. The KRUMM gauge, which is light, inexpensive and accurate, will soon repay its cost, in that it can be used to check a job that may drive in when the big rack may already be in use. These larger stations are constantly called on to estimate insurance jobs that are somewhere in storage. The KRUMM gauge can be taken with you to the job. The existing conditions given by the KRUMM gauge can be depended on as being accurate.

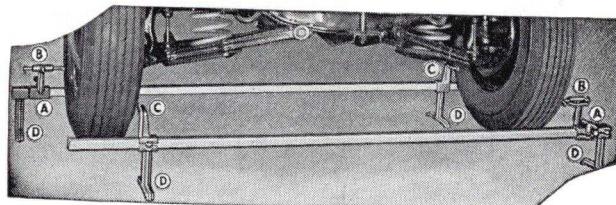
The small shop that may not even be equipped or interested in doing this sort of service, should at least be in a position to inform the customer of his trouble. The KRUMM gauge will prove your statements and get you a job that may be let out at a profit in case you are not interested in doing the work in your own shop. When the job is returned, the gauge will come in handy again to check the accuracy of the work before turning it over to the customer.

The KRUMM gauge is distributed exclusively by THE CORNWELL QUALITY TOOLS CO. of Mogadore, Ohio.

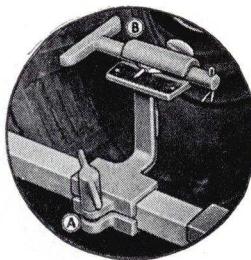
Price, U. S. A.



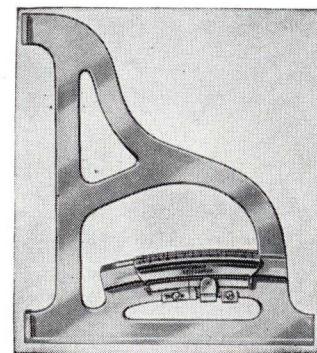
POSITION No. 1
The circle at left gives you a view of the indicator as in operation on rear of right front tire in large center illustration.



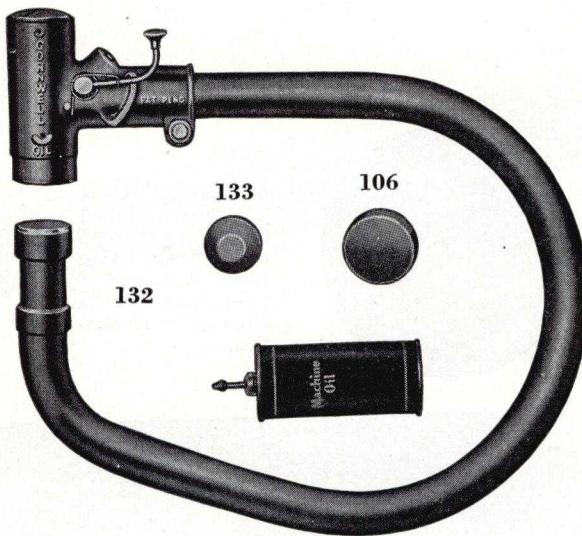
TG6



POSITION No. 2
The pointer in circle at right shows actual toe-in with indicator against outside front of left tire as shown in large illustration.



CG1



The CORNWELL Fully Pneumatic FENDER AND BODY HAMMER

We say **FULLY** Pneumatic because both the Hammer and the DOLLY are operated by air

Contrast the evenly distributed effect obtained when hitting thousands of light blows per minute on metal, that is backed up by an air cushioned dolly, with the effect obtained by heavier hand hammering on metal, that is backed up by a heavy hand dolly.

Contrast the speed of 10,000 blows per minute to that of a hand hammer.

Ten minutes' time with a CORNWELL Pneumatic Hammer will get a job done that would require two hours' working by hand.

Simplicity in construction makes the CORNWELL hammer the lightest on the market, its weight being exactly 9½ lbs.

FENDER BEAD DOLLY

The No. 131 Fender Bead Dolly illustrated below is for use in getting under the rolled bead on the edge of fenders.

PRICES

FH1	Small Frame and Nos. 132 and 133 Dollies.....
FH1B	Large Frame and Nos. 132 and 133 Dollies.....
FH1C	Small Frame, Hose, No. 114C Snap Tite Coupler, No. 6363 Stems and Hose Clamps, Nos. 131, 132 and 133 Dollies.....
FH2	Large and Small Frames with Nos. 132 and 133 Dollies.....
FH2C	Large and Small Frames, Hose, No. 6363 Stems and Hose Clamps, No. 114C Snap Tite Coupler, Nos. 131, 132, 133 Dollies
FHR	Replacement Head (new throughout).....
FH1F	Small Frame and Plunger.....
FH2F	Large Frame and Plunger.....
FHTF	Turret Top Frame and Plunger.....
106	Upper Dolly with Spring.....
131	Bead Dolly
132	¾" Radius Dolly.....
133	⅝" Radius Dolly.....
6363	25' Best Grade ¼" Hose.....
114A	1 Pair Stems and Hose Clamps.....
114A	Snap Tite Coupler only.....
114C	Snap Tite Coupler Complete.....
114N	Snap Tite Nipple only.....

A TRIP THROUGH THE CORNWELL FULLY PNEUMATIC HAMMER

A—Space for piston travel.

B—Air connection.

C—Throttle—thumb controlled—will hit from 500 to 10,000 times per minute.

D—Hardened piston—full floating—no valves, rings, springs or rods. It hits directly on the work.

E—Floating Dolly—snaps over the Hammer barrel. When direct blows from the piston are required on heavy work, remove "E" Dolly.

F—Easy change of frames.

G—Air travel through the frame.

H—Job clearance 1 ½"—self adjusting by air when in operation. (An exclusive feature with the CORNWELL Hammer.)

I—AIR CUSHIONED, full floating dolly, an EXCLUSIVE feature with the CORNWELL Hammer.

J—Large and small faced dollies.

DIMENSIONS

Small frame depth, 13 ⅞"; height 11".

Large frame depth, 20 ⅞"; height 16 ½".

Turret Top Frame depth, 30"; height 11".

Weight of Hammer as illustrated above 9½ lbs.

(All measurements are inside.)

A Midget on the Scales; a Demon on the Job.

PRICES ON APPLICATION

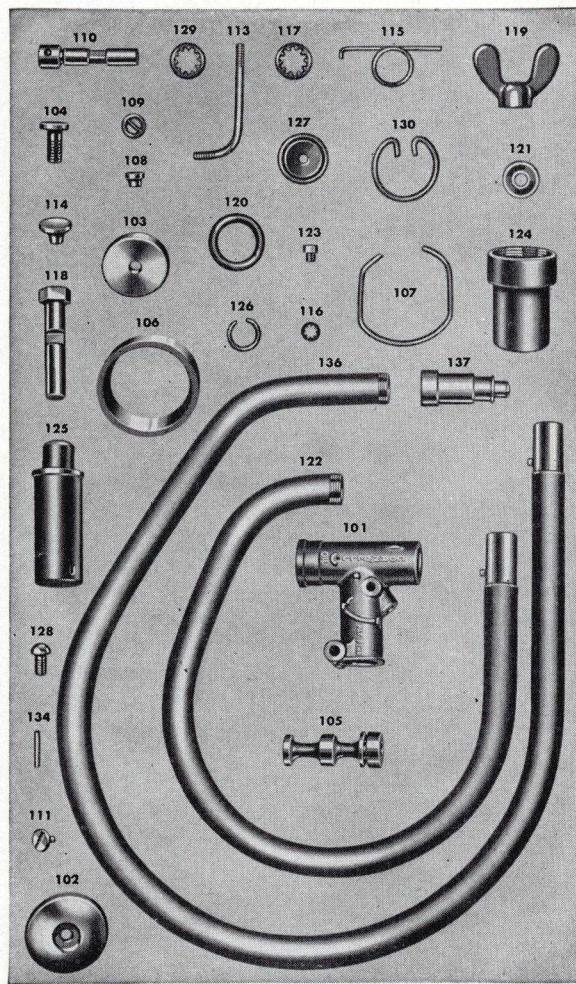
CORNWELL

Quality Tools

CORNWELL AIR HAMMER

PARTS LIST

Part No.	Description
102	Hammer Head Cap.....
103	Hammer Head Cap Plug.....
104	Hammer Head Cap Screw.....
106	Piston Cap.....
107	Piston Cap Spring.....
108	Rubber Coated Valve.....
109	Air Inlet Valve Spring.....
110	Air Valve Body.....
111	Air Valve Body Screw.....
113	Air Valve Lever.....
114	Air Valve Lever Cap.....
115	Air Valve Spring.....
116	3/16" Lock Washer for Air Valve Body Screw
117	7/16" Lock Washer for Head Clamp Bolt.....
118	Head Clamp Bolt.....
119	7/16" - 20 High Type Forged Wing Nut.....
120	Leather Washer (tube seal).....
122	Arm with #123 Head Aligning Stud.....
124	Adaptor
125	Die Seat Plunger.....
126	Die Seat Plunger Spring.....
127	Die Seat Plunger Leather Washer.....
128	Die Seat Plunger Screw.....
129	3/8" Washer for Head Cap Screw.....
130	Spring Locking Washer for Head.....
134	1/8" x 3/4" Die Seat Plunger Pin.....
135	3/4" Washer for Die Seat Plunger.....
136	Large Arm
137	#134 Adaptor, #125 Plunger assembled (complete)

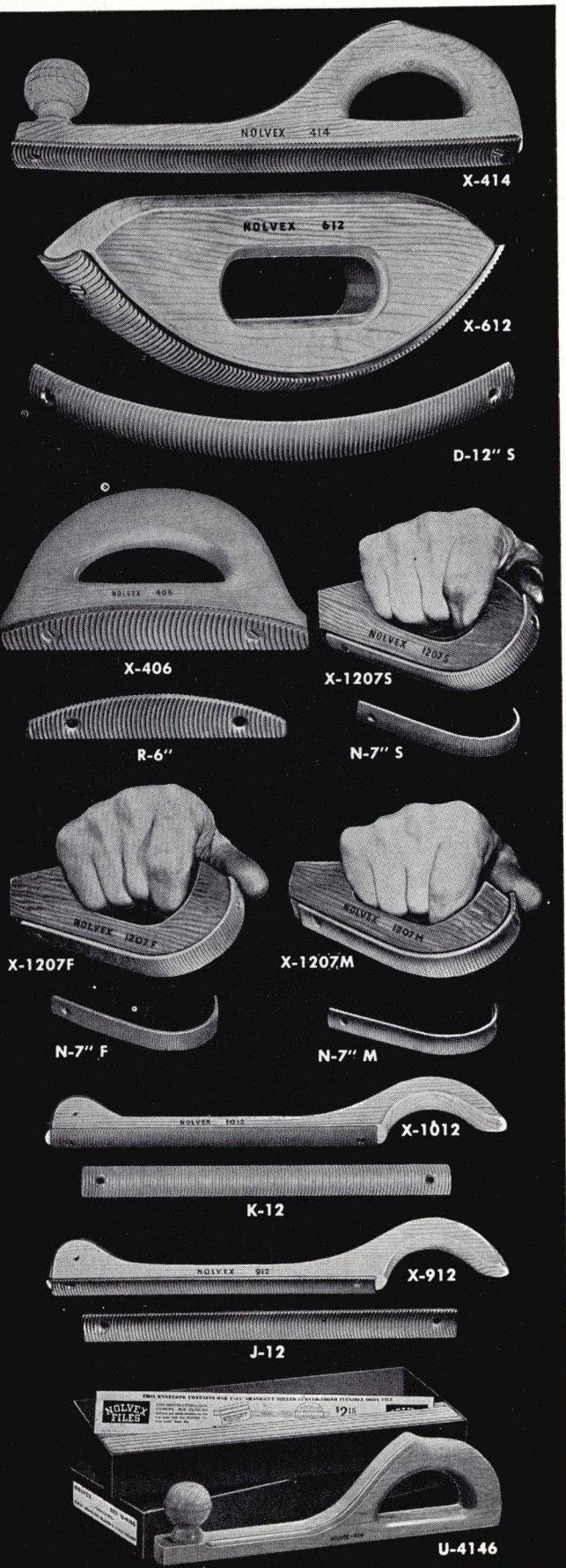


Numbers 105 piston and 101 head make up the main power plant of the Cornwell hammer. Due to necessary close fitting tolerances we suggest any service question be referred to our factory.

PRICES ON APPLICATION

CORNWELL

Quality Tools



NOLVEX FILE BLADES AND HOLDERS

The combination of File Blade and correctly designed, matched and balanced Holder is essential for best File Performance. The Nolvex Line of Blades and Holders illustrated is the first offered in combination as a genuine Automotive Service Tool Line.

PRICE LIST

File Blades

Cat. No.	Kind	Price
U14"	14" Flexible — U-Type Tooth.....	
D12"S	12" Half Circle Shell.....	
K12"	12" Half Round Shell.....	
J12"	12" Moulding	
N7" F	7" Flat Revel	
N7" M	7" Moulding Revel	
N7" S	7" Shell Revel	
R6"	6" Radius	

Holders

No.	Weight Each	Price
414	12 oz.	
612	8 oz.	
1012	8 oz.	
912	8 oz.	
1207	3 oz.	
1207	3 oz.	
1207	3 oz.	
406	4 oz.	

Holders with Blades Attached

Unit No.	Weight Each	Price
X414	24 oz.	
X612S	15 oz.	
X1012	15 oz.	
X912	15 oz.	
X1207F	5 oz.	
X1207M	5 oz.	
X1207S	5 oz.	
X406	8 oz.	

U4146

This set contains six 14" U-Type Tooth Blades and one No. 414 seasoned maple handle put up in strong cardboard box.

CORNWELL . . .

BODY and FENDER TOOLS

Body Workers' Hammers

The nine hammers listed here comprise a matched set which takes care of any damage in any automobile body panel or fender.

All Fairmount body workers' hammers are drop forged from a steel which has been especially developed to overcome breakage. A new hardening and tempering process gives these hammers exceptional qualities for lasting service in severe usage.

They are painted ebony. The working faces are highly polished, and have their edges slightly rounded.

Handles are all first grade, second growth white hickory. Weights do not include handles.

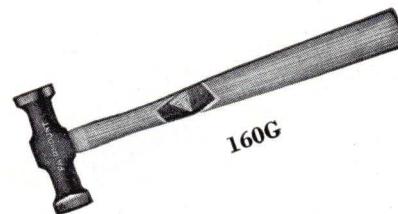
Each hammer is packaged in individual carton.

Bumping Hammer

This is a heavy duty bumping hammer for all around heavy blows in body and fender repair. It is for such uses as alignment, straightening reinforcements, braces, and floor panels. Wt. 14 oz. Faces $1\frac{1}{4}$ " Round, $1\frac{3}{8}$ " Square. Head 4" overall.

Order No.
160G

Price Each



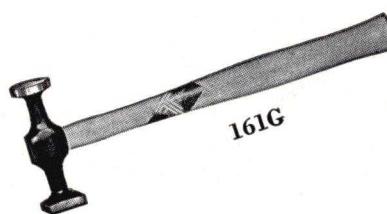
160G

Dinging Hammer

This is a perfectly balanced light-weight ding hammer. The square face is low crowned, round face is high crowned. It is particularly useful on the low and medium crown panels where lighter blows are required. Wt. 9 oz. Faces $1\frac{1}{4}$ " Round, $1\frac{3}{8}$ " Square. Head 4" overall.

Order No.
161G

Price Each



161G

Dinging Hammer

This is a strong, rugged hammer built to withstand the severe usage encountered in general bumping and dingding, including the high crown panels where heavier blows are necessary. It is perfectly balanced. Its long head permits dingding over the obstructions where the shorter hammers cannot reach. Wt. 13 oz. Faces $1\frac{1}{4}$ " Round, $1\frac{3}{8}$ " Round. Head 6" overall.

Order No.
150G

Price Each



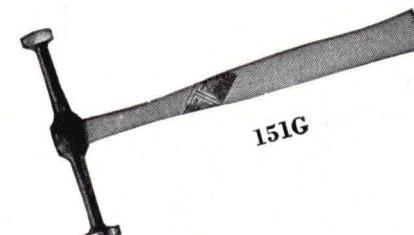
150G

Dinging Hammer

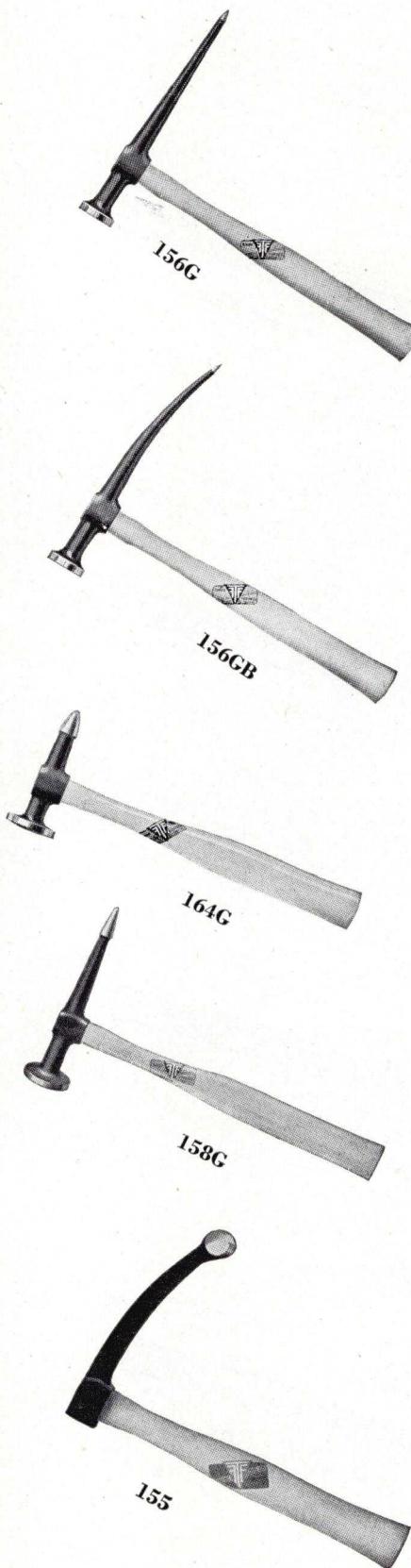
A perfectly balanced hammer for light dingding in those places where long reach is necessary. It has one square face to permit dingding in next to the corner of a moulding or beading. Wt. 10 oz. Faces $1\frac{1}{4}$ " Round, $1\frac{3}{8}$ " Square. Head 6" overall.

Order No.
151G

Price Each



151G



BODY and FENDER TOOLS

Finishing Hammer

A long reach metal finishing hammer with a lead pencil size point for use in driving up small dents in low crown and flat panels. The extra long reach permits reaching over braces and inner construction inside the bodies. The ding head has a high crown face and is perfectly balanced with the pick end. Weight 9 oz. Face $1\frac{1}{4}$ " Round. Point $\frac{3}{2}$ " Radius. Length of Pointed End $5\frac{1}{2}$ ". Head 8" overall.

Order No.
156G

Price Each

Curved Finishing Hammer

Same as 156G, except that the pick end is bent in the arc of a normal blow. One advantage of this curved pick end is that it enables the user to reach in to such places as the edge of a roof rail panel and in behind reinforcements.

Order No.
156GB

Price Each

Utility Hammer

This hammer has a short reach pick end with a large bullet size point for driving up small dents in high crown panels. Its short length is very useful for driving up dents in fenders without removing the wheel for added clearance. Its ding head has a medium crown face. This well balanced hammer is excellent for ding and bumping on extra thin gauge panels. Wt. 7 oz. Face $1\frac{9}{16}$ " Round. Point $\frac{3}{2}$ " Radius. Length of Pointed End 2". Head 4" overall.

Order No.
164G

Price Each

Finishing Hammer

This is a general purpose metal finishing hammer. It has a medium reach pick end with a small bullet size point for driving up small dents in medium crown panels. The ding head has a low crown face and is perfectly balanced with the pick end. Wt. 9 oz. Face $1\frac{1}{8}$ " Round. Point $\frac{3}{2}$ " Radius. Length of Pointed End $3\frac{3}{4}$ ". Head $6\frac{3}{4}$ " overall.

Order No.
158G

Price Each

Fender Bumper

This is a heavy hammer for bumping out dents from the inside in those places which are out of reach of the hand with an ordinary dolly. It is so designed that it clears the obstructions usually found in those places. Wt. $1\frac{1}{2}$ lbs. Length of Head $8\frac{1}{2}$ ".

Order No.
155

Price Each

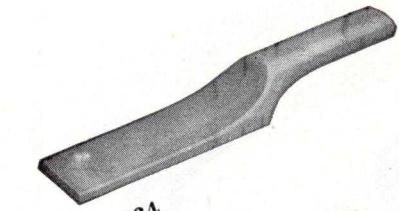
CORNWELL . . .

BODY and FENDER TOOLS

The Solder Paddle

This tool is made of close grained maple. The well-shaped handle fits the hand perfectly. Blade is full size and flat faced so that it may be used "as is", or cut down into any shape desired. — Overall length 11". Working surface of blade 1 $\frac{3}{4}$ " x 6". Weight 4 oz.

Order No. 834 Price Each



Long Turret Top Spoon

This spoon has a long medium crown working face. It can be inserted between the inner construction and outer panel, and used for driving, as a pry, or as offset dolly for dinging. The end of the blade has a medium calking face. This is a strong rugged tool built to withstand severe usage. — Overall length 10". Face 1 $\frac{7}{8}$ " x 5 $\frac{1}{4}$ " x $\frac{3}{16}$ ". Rounded. Handle 1 $\frac{1}{8}$ " Octagon. Wt. 3 $\frac{1}{2}$ lbs.

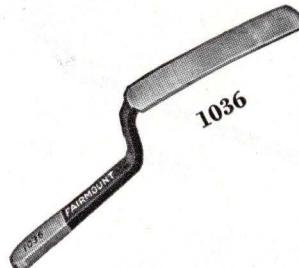
Order No. 1045 Price Each



The Combination Spoon

This is a general purpose spoon. It has a high crown working face with a long reach for working behind reinforcements on high crown panels. Particularly adapted for working between fender brackets and fender metal where it is impossible to use a dolly block. — Face, 1 $\frac{3}{4}$ " x 5 $\frac{1}{2}$ ". Handle 1". Octagon 4 $\frac{3}{4}$ " long. Wt. 2 $\frac{3}{4}$ lbs.

Order No. 1050 Price Each



Low Crown Dinging Spoon

This low crown dinging spoon is for all flat and convex (curved outward) panels. This includes the high crown, medium crown, and low crown panels. — Length 10" overall. Face 2" x 4 $\frac{5}{16}$ ". Wt. 11 oz.

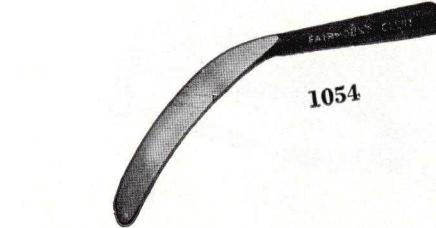
Order No. 1036 Price Each



Spoon Dolly

This is really a dolly block with a permanently attached extension handle for use in places inaccessible to the hand. It can be driven in between a reinforcement and the outer panel and then used to pry outward as the metal is dinged with a hammer. It is strong, rugged and can be used as a forming and calking tool in the extreme lower sections of cowl, doors, quarter-panels, and lower trunk panels. — Length 14" overall. Face 2 $\frac{1}{2}$ " x 1" x 3". Wt. 3 $\frac{1}{2}$ lbs.

Order No. 1052 Price Each

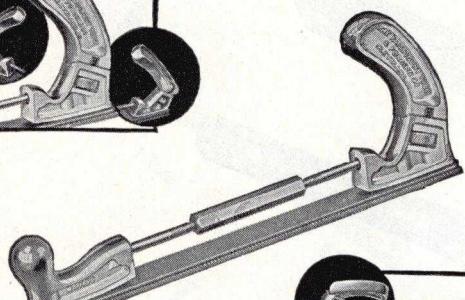
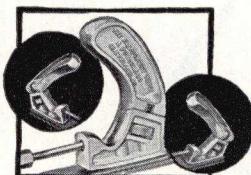


Long Curved Spoon

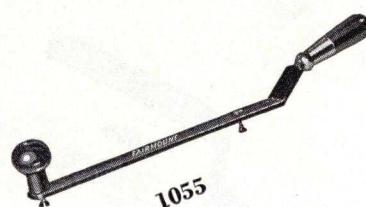
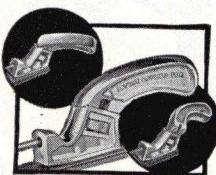
The long thin curved blade of this spoon is very handy for prying up dents behind the curved reinforcements in the header panel, behind the hinge anchors in doors and body pillars, and behind the reinforcements in hood tops and radiator shells. — Overall length 10 $\frac{1}{2}$ ". Face 2" x 7". Wt. 1 lb.

Order No. 1054 Price Each

Quality Tools



1150



1055



1072



1073

BODY and FENDER TOOLS

Adjustable File Holders

Here is a file holder which is adjustable ALL-WAYS and always adjustable. The handle can be adjusted to either side to enable the operator to work close to an offset or other panel without bruising or skinning his knuckles. The handle can be entirely reversed, and again adjusted to either side. It can be used either right or left handed, with the hand entirely out of the way of the work. It permits flexing the file either way to the maximum point of safety against breakage. The bolt which attaches the blade at the rear of the holder should be loosened before flexing. Wt. $1\frac{1}{4}$ lbs.

Order No.

1150

Price Each

The Straight File Holder

The file holder is for both 12 and 14-inch Vixen Files, both the regular flat body files and the shell or half-round type. Wt. $1\frac{1}{4}$ lbs.

Order No.

1055

Price Each

Drip Moulding Pliers

Here is a plier which will really do the job of opening up and reshaping damaged drip mouldings. It applies the same principle to straightening a damaged drip moulding as that used to straighten the face bar of a bumper in an arbor press. It is also very handy for straightening flanges in radiator grilles and grille openings. The Y-type lower jaw is slightly grooved to fit the radius of drip mouldings.—Leverage 10 to 1. Overall length 11". Wt. 1 lb. 6 oz.

Order No.

1072

Price Each

Fender Flange Pliers

This tool is for clamping a broken fender flange while welding. In body work it is used for holding reinforcements or new panels in place until tack welded. Overall length 11". Wt. 1 lb.

Order No.

1073

Price Each

CORNWELL . . .

BODY and FENDER TOOLS

DOLLY BLOCKS

One dolly block can have only a few working faces, obviously, not nearly enough to take care of the many different shapes encountered on a modern automobile body and fenders. For that reason several different dolly blocks are necessary to do complete work. The seven dolly blocks in the Fairmount line comprise a complete matched set. Among them they have all the different shapes and weights which are necessary for complete service.

Toe Dolly

This dolly is very adaptable because of its thinness and length. It also has a large perfectly flat face which is very useful in dinging lower hood quarters and other flat panels. — $4\frac{3}{4}$ " x $2\frac{1}{4}$ " x $1\frac{7}{16}$ ". Wt. $2\frac{1}{2}$ " lbs.

Order No. 1058 Price Each

Heel Dolly

The design of this dolly makes it very adaptable in corners and wide radii. $3\frac{1}{8}$ " x $2\frac{3}{8}$ " x $1\frac{7}{16}$ ". Wt. $2\frac{1}{2}$ " lbs.

Order No. 1059 Price Each

Low Crown Dolly

This low crown block is made for dinging on low crown panels where high crown dollies would stretch the metal. It is also a flanging dolly. The angle between the large low crown face and the sides is less than 90° . This important feature permits dinging in the farthest recesses of a flanged edge. $2\frac{3}{4}$ " x $1\frac{1}{8}$ " x 4 ". Wt. 3 lbs.

Order No. 1068 Price Each

General Purpose Dolly

This dolly is unlimited in its purposes and is one of the most useful dolly blocks ever made. It seats in the hand comfortably. Its weight, its balance, and its several differently crowned working faces, together with its two flanging and beading lips combine to give this dolly its wide adaptability. — $2\frac{7}{8}$ " x $2\frac{3}{8}$ " x $2\frac{1}{4}$ ". Wt. 3 lbs.

Order No. 1060 Price Each

Wedge Dolly

This is a general purpose dolly and is favored by many body repairmen for all around use. Its long, thin lip is very useful in behind reinforcements. — $5\frac{1}{2}$ " x $2\frac{1}{4}$ " x $1\frac{1}{8}$ ". Wt. 3 lbs.

Order No. 1067 Price Each

Utility Dolly

This is a high crown dolly with a narrow beading edge. The thick rounded sides are useful for dinging short radii curves. It is a valuable tool because of its general utility on the later type fenders and the high crown portions of the modern streamline bodies. — $3\frac{1}{8}$ " long, 3 " wide, $1\frac{5}{8}$ " thick. Wt. 3 lbs.

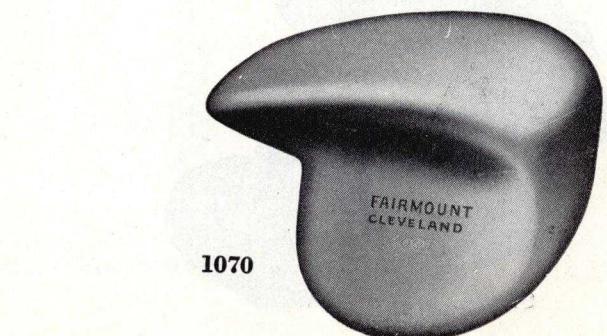
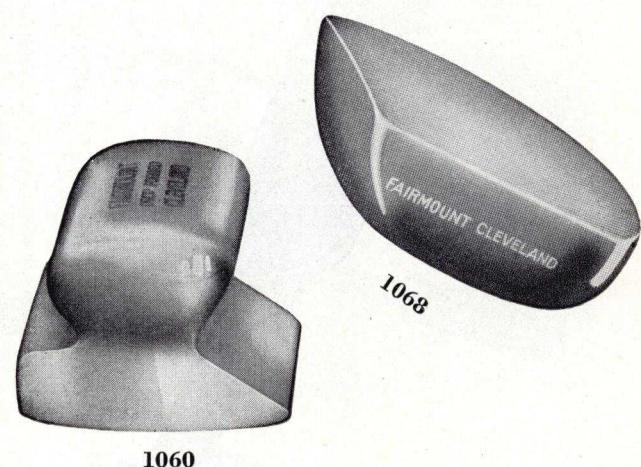
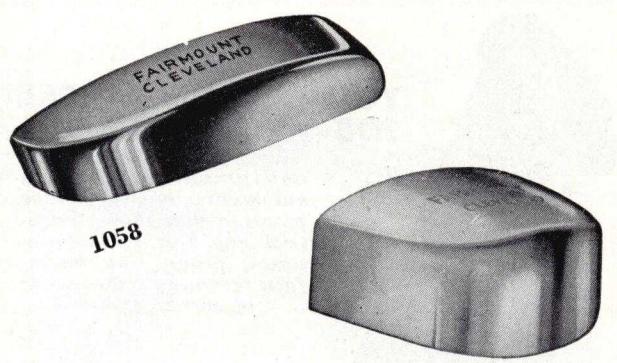
Order No. 1061 Price Each

"Champion Heavyweight" Dolly

A heavy duty general purpose fender dolly offered to repairmen who prefer a heavy dolly for all around use. It is very useful on those extra heavy gauge truck and passenger car fenders which resist the blows of lighter dollies. It is recommended as a roughing dolly to users of air hammers. It has perfect balance and seats comfortably in the hand in such a way that the fingers are protected from injury in a swinging blow. — $3\frac{5}{8}$ " x $3\frac{1}{4}$ " x $2\frac{1}{2}$ ". Wt. 4 lbs.

Order No. 1070 Price Each

Quality Tools



CORNWELL

Quality Tools



YOU CAN DO A REAL JOB WITH THIS TOOL

— accepted as standard equipment by leading automotive and airmotive plants, airline shops, industrial and research laboratories, piston ring manufacturers and by thousands of service shops.

Cornwell Torque Wrench

A Practical Tool for tune-up and motor rebuilding jobs — cylinder head, connecting rods, main bearings — wherever accurate and uniform tightening of studs and bolts is required.

The minute you lay your hand on this Cornwell wrench, you'll know it's right. Its light weight, convenient length, perfect balance and correct design let you do the job easily, quickly, accurately. Its **three** dials are easy to read in any position. It's built **tough** to take all the rough handling you'll give it and **keep** its accuracy.

Every Cornwell Wrench is custom built and individually pre-tested for accuracy which is maintained for the life of the tool.

Scientifically Correct Design — Simple. Compact — only 17½ inches overall length. Light weight — 2½ pounds. Beautifully balanced. No tricky mechanism, fragile moving parts, delicate adjustments or breakable glass dial — nothing to adjust or get out of order.

Sturdy — Rough handling of the wrench, even dropping it on the floor, cannot affect its permanent accuracy.

The Exclusive Tapered Measuring Beam distributes the deflection evenly over its entire length, preventing excessive stress at any one point and giving it greater strength for the tool's weight than would be possible in any other way.

Excessive Bulk is eliminated by making the measuring beam serve also as the frame. Thus the maximum amount of steel is used to obtain the necessary strength without adding dead weight.

Three Easy to Read Dials — Indicate torque either right or left. Calibrations are in foot and inch pounds. Large chrome plated figures and position arrows and minimum clearance between dials and pointer tips give you fast, accurate readings. Scale Range: 0 to 100 Foot Pounds.

Convenient — Easy to Use — It has a small, unobstructed head for easy handling in limited working space. Socket square — ½ inch standard.

Floating Handle controls load position assuring accurate reading regardless of direction of pull.

Quality — The Torque Wrench is custom built, designed and manufactured to give you maximum convenience and positive accuracy for the life of the tool. The head is of Chrome-Vanadium. The measuring beam is of special Alloy Steel. The dial is of Brass with Chrome plated figures and the pointer of high grade Chrome Nickel Steel. The wrench is handsomely finished in highly polished chrome.

Order No.

SW60

Price

Standard ½" Service Torque Wrench — Capacity 0 to 100 ft. lbs.

Cornwell Spring Tester

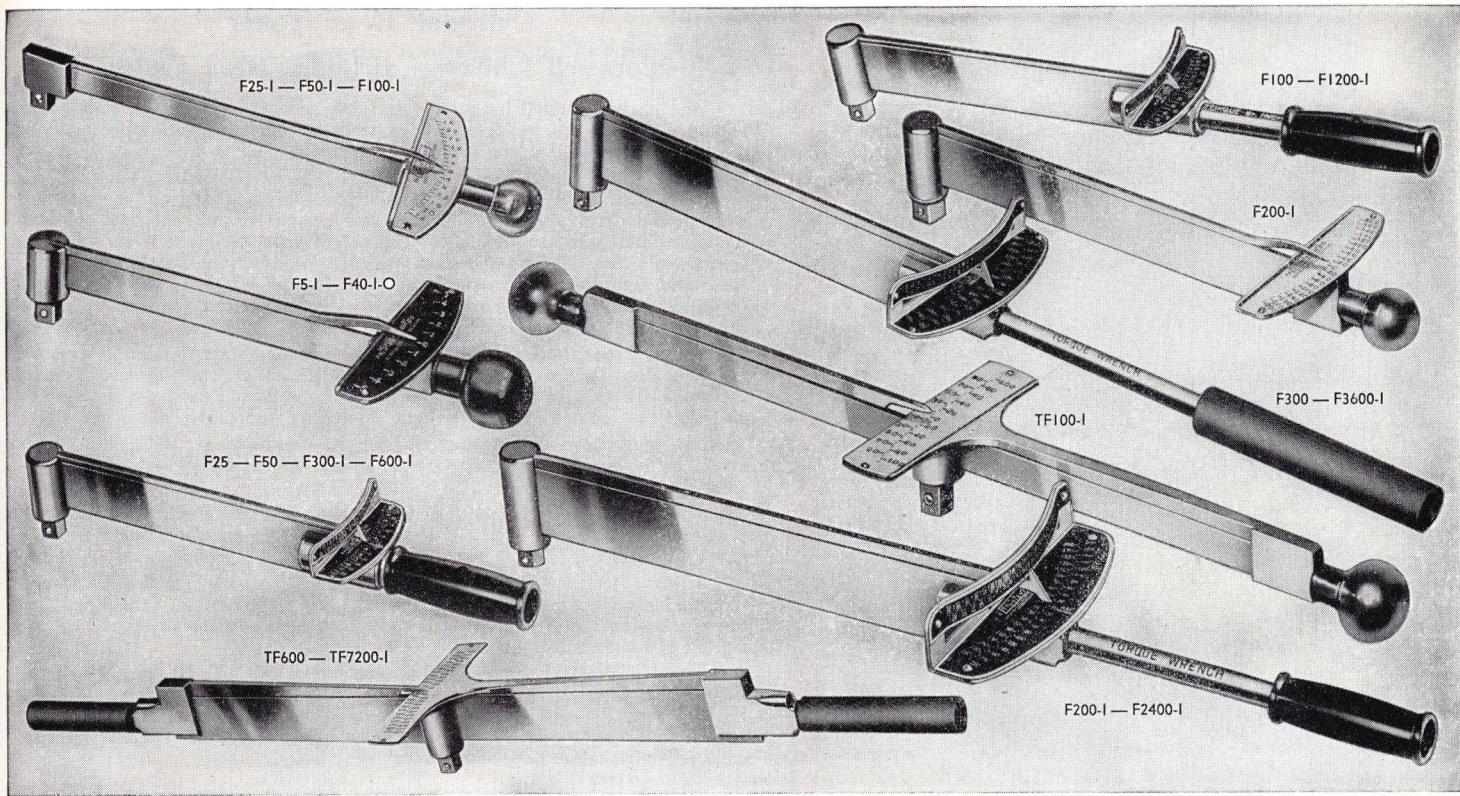
With a CORNWELL Spring Tester and any accurate, standard torque wrench, it is possible to measure or test the recoil pressures of springs compressed to any predetermined length. This new tool provides not only a fast and accurate means for inspecting coil springs up to 7" in length and 2½" in diameter but also a way to rapidly and accurately match sets of springs (as valve springs, clutch springs, etc.)

Order No.

ST6

Price

(Price does not include Torque Wrench)



STANDARD CAPACITIES OF TORQUE WRENCHES

(Production use should not exceed 80 per cent of full scale)

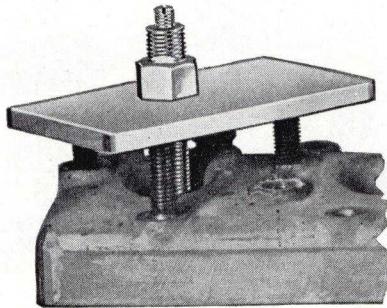
Catalog Number	Capacity FOOT LBS.	Graduation In steps of	Drive Sq. Standard	Dials No. of	Weight (lbs.)	Length (inches)	Price
F25	0 to 25	1 foot lbs.	$\frac{1}{2}''$ or $\frac{3}{8}''$	2	$2\frac{1}{4}$	$15\frac{1}{4}$	
F50	0 to 50	$2\frac{1}{2}$ foot lbs.	$\frac{1}{2}''$ or $\frac{3}{8}''$	2	$2\frac{1}{2}$	$15\frac{1}{4}$	
F100	0 to 100	5 foot lbs.	$\frac{1}{2}''$	3	$2\frac{3}{4}$	$17\frac{1}{2}$	
F150	0 to 150	5 foot lbs.	$\frac{1}{2}''$	2	$5\frac{1}{4}$	$26\frac{1}{2}$	
F200	0 to 200	5 foot lbs.	$\frac{1}{2}''$	2	$5\frac{1}{2}$	$26\frac{1}{2}$	
F300	0 to 300	10 foot lbs.	$\frac{3}{8}''$	2	$10\frac{1}{2}$	$34\frac{3}{4}$	
TF25	0 to 25	1 foot lbs.	$\frac{1}{2}''$	1	$4\frac{1}{2}$	$21\frac{5}{8}$	
TF50	0 to 50	$2\frac{1}{2}$ foot lbs.	$\frac{1}{2}''$	1	$4\frac{1}{2}$	$21\frac{5}{8}$	
TF300	0 to 300	10 foot lbs.	$\frac{3}{8}''$	1	$9\frac{3}{4}$	$41\frac{1}{4}$	
TF600	0 to 600	10 foot lbs.	$\frac{3}{8}''$	1	$17\frac{1}{2}$	51	
INCH OZ.							
F40-I-O	0 to 40	2 inch ozs.	$\frac{1}{4}''$	1	$\frac{1}{4}$	$7\frac{1}{2}$	
INCH LBS.							
F5-I	0 to 5	1 inch lbs.	$\frac{1}{4}''$	1	$\frac{1}{4}$	$7\frac{1}{2}$	
F25-I	0 to 25	1 inch lbs.	$\frac{3}{8}''$	1	$\frac{1}{4}$	$9\frac{5}{8}$	
F50-I	0 to 50	$2\frac{1}{2}$ inch lbs.	$\frac{3}{8}''$	1	$\frac{1}{4}$	$9\frac{3}{8}$	
F100-I	0 to 100	5 inch lbs.	$\frac{3}{8}''$	1	$\frac{1}{4}$	$9\frac{3}{8}$	
F200-I	0 to 200	10 inch lbs.	$\frac{3}{8}''$	1	$\frac{3}{8}$	$10\frac{1}{2}$	
F300-I	0 to 300	$12\frac{1}{2}$ inch lbs.	$\frac{1}{2}''$ or $\frac{3}{8}''$	2	$2\frac{1}{4}$	$15\frac{1}{4}$	
F600-I	0 to 600	25 inch lbs.	$\frac{1}{2}''$ or $\frac{3}{8}''$	2	$2\frac{1}{2}$	$15\frac{1}{4}$	
F1200-I	0 to 1200	50 inch lbs.	$\frac{1}{2}''$	3	$2\frac{3}{4}$	$17\frac{1}{2}$	
*FW1200-I	0 to 1200	50 inch lbs.	$\frac{1}{2}''$	3	$2\frac{3}{4}$	$17\frac{3}{8}$	
F1800-I	0 to 1800	50 inch lbs.	$\frac{1}{2}''$	2	$5\frac{1}{4}$	$26\frac{1}{2}$	
F2400-I	0 to 2400	50 inch lbs.	$\frac{1}{2}''$	2	$5\frac{1}{2}$	$26\frac{1}{2}$	
F3600-I	0 to 3600	100 inch lbs.	$\frac{3}{4}''$	2	$10\frac{1}{2}$	$34\frac{3}{4}$	
TF100-I	0 to 100	5 inch lbs.	$\frac{3}{8}''$	1	$\frac{1}{2}$	$14\frac{1}{2}$	
TF300-I	0 to 300	10 inch lbs.	$\frac{1}{2}''$	1	$4\frac{1}{2}$	$21\frac{5}{8}$	
TF600-I	0 to 600	25 inch lbs.	$\frac{1}{2}''$	1	$4\frac{1}{2}$	$21\frac{5}{8}$	
TF3600-I	0 to 3600	100 inch lbs.	$\frac{3}{4}''$	1	$9\frac{3}{4}$	$41\frac{1}{4}$	
TF7200-I	0 to 7200	100 inch lbs.	$\frac{3}{4}''$	1	$17\frac{1}{2}$	51	

ADAPTORS to be used with above tools on special applications—BOX, OPEN END, FLARE NUT, etc., wrenches, on request.
(Torque Wrenches used with these adaptors require special dials)

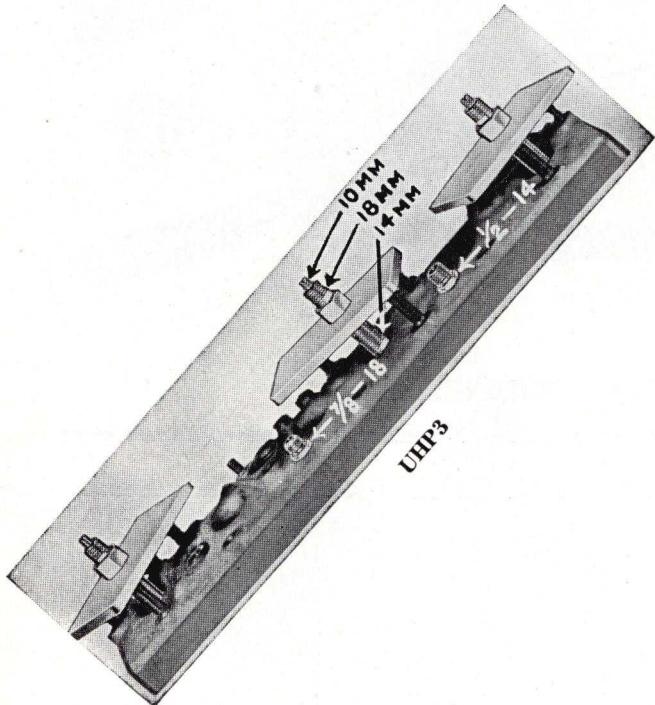
*Special to Wright Aeronautical Specifications.
SHIPMENT: F.O.B. Mogadore, Ohio.

CORNWELL

Quality Tools



Section View
UHP1



SM1

Cylinder Head Tools

Cornwell Universal Cylinder Head Puller

The pull is applied by contact into the spark plug holes. The most satisfactory results will be obtained by pulling from two spark plug holes in a four cylinder head, three spark plug holes in a six cylinder—as indicated at left—and four spark plug holes in an eight cylinder head.

With this set of pullers it is possible to apply a lifting pull even before starting the usual procedure. After a fair amount of pull has been applied, do the things you usually do to remove a head; the tight ones will start coming up; then take up the slack with the pullers, plus a little more pressure, and continue in the usual way until the head is level with the top of the studs when it will be clear from the corroded section. On the easier jobs the tool will do the work with very little personal assistance.

In any event the head is apt to come loose and start to raise at one end before it does the other, or one side before the other, causing it to bind on the studs. To control this condition, run a couple nuts down on the side or end that first comes loose to hold it level until the other side comes up.

The pullers shown at the left are three individual units; the center assembly as described, is one complete unit, including $\frac{3}{8}$ "—18 and $\frac{1}{2}$ "—14 adapters.

To describe the features that make this outfit universal, the No. HPO1 pressure pad or plate will find three studs to rest on when being used on any cylinder head.

The main puller screw is numbered HP1418 which signifies its adaptation to both 14 mm. and 18 mm. spark plug holes. When attaching it in the spark plug hole by entering it through the hole in the pressure pad, the No. HPI16 main nut does the lifting as it is run down.

The HP10 is a 10 mm. adaptor that screws into the 18 mm. end of the main puller screw, making it adaptable to 10 mm. spark plug holes. The HP7818 is a $\frac{3}{8}$ "—18 adaptor that screws onto the 14 mm. end making it adaptable to $\frac{3}{8}$ "—18 spark plug holes, and the HP1214 does likewise, making it adaptable to $\frac{1}{2}$ "—14 spark plug holes.

No. UHP1 per unit.....

No. UHP3—three units as shown.....

(See paragraph four)

Cornwell Stud Removers

The CORNWELL "Concentric Type" Stud Remover and Inserter is the most efficient tool on the market for this type of work. By CONCENTRIC we mean that the pull is applied to all sides of the stud at the same time, and therefore, does not have the tendency to twist the stud off as does the eccentric type tool.

The clearance needed for the SMK1 Stud Remover does not exceed $\frac{5}{8}$ " from the outside of the stud, and $\frac{3}{4}$ " for the SMK2 Heavy Duty Stud Remover, which is very much less than is needed for the eccentric type tool.

Order No.

SM1

Size

$\frac{5}{16}$ "

SM2

$\frac{3}{8}$ "

SM3

$\frac{7}{16}$ "

SM4

$\frac{1}{2}$ "

SM5

Shell for the above adaptors

SMK1

Set as illustrated in box

SMK2

Metal box only

SMK3

Rollers for any adaptor (each)

Price

Order No.

SM11

Size Adaptor

$\frac{9}{16}$ "

SM12

$\frac{5}{8}$ "

SM14

$\frac{3}{4}$ "

SM15

Heavy Duty Shell for the above adaptors

SMK2

Heavy Duty Stud Remover Set consists of shell, $\frac{9}{16}$ ", $\frac{5}{8}$ " and $\frac{3}{4}$ " adaptors

SMK3

Rollers for any size adaptor (each)

Price

Heavy Duty Stud Remover

CORNWELL . . .

TAP AND DIE SETS

A quality set of the most necessary sizes of taps and dies required for use on automobiles. The dies are adjustable to give a loose or tight fit to your thread—combines all the advantages of a solid die with those of a split die. Small adjusting screw on die can change the actual size of die from .001 to .003 over or under. Contains eleven taps and eleven dies covering a range in S.A.E. and U.S.S. threads $\frac{1}{4}$ " to $\frac{1}{2}$ ", also a $\frac{1}{8}$ " pipe tap and die. Chrome plated Die Stock with **Adjustable Guide** and adjustable **Tap Wrench**.

No. 46AG Set contains one each of the following units, neatly packed in a fine wood box.

Order No.	Description	Price
DH2	Die Stock	
TD4	Adjustable Tap Wrench	
D5	$\frac{1}{4}$ -20 U.S.S. Die	
D10	$\frac{1}{8}$ -18 U.S.S. Die	
D15	$\frac{3}{8}$ -16 U.S.S. Die	
D20	$\frac{1}{8}$ -14 U.S.S. Die	
D25	$\frac{1}{2}$ -13 U.S.S. Die	
D30	$\frac{1}{4}$ -28 S.A.E. Die	
D35	$\frac{1}{8}$ -24 S.A.E. Die	
D40	$\frac{3}{8}$ -24 S.A.E. Die	
D45	$\frac{1}{8}$ -20 S.A.E. Die	
D50	$\frac{1}{2}$ -20 S.A.E. Die	
T5	$\frac{1}{4}$ -20 U.S.S. Tap	
T10	$\frac{1}{8}$ -18 U.S.S. Tap	
T15	$\frac{3}{8}$ -16 U.S.S. Tap	
T20	$\frac{1}{8}$ -14 U.S.S. Tap	
T25	$\frac{1}{2}$ -13 U.S.S. Tap	
T30	$\frac{1}{4}$ -28 S.A.E. Tap	
T35	$\frac{1}{8}$ -24 S.A.E. Tap	
T40	$\frac{3}{8}$ -24 S.A.E. Tap	
T45	$\frac{1}{8}$ -20 S.A.E. Tap	
T50	$\frac{1}{2}$ -20 S.A.E. Tap	
T55	$\frac{1}{8}$ " Pipe Tap	
D55	$\frac{1}{8}$ " Pipe Die	

Tap and Die Sets

The Machine Screw Tap and Die Set illustrated on the right contains six popular size Machine Screw Taps and Dies. The Dies are of the Adjustable Split type. This set has the same style Adjustable Guide Die Stock as the set illustrated above. The Adjustable Tap Wrench is of the "Tee" type and can also be used as a Reamer Wrench within its capacity.

No. 22AG Set contains one each of the following units neatly packed in a fine wood box.

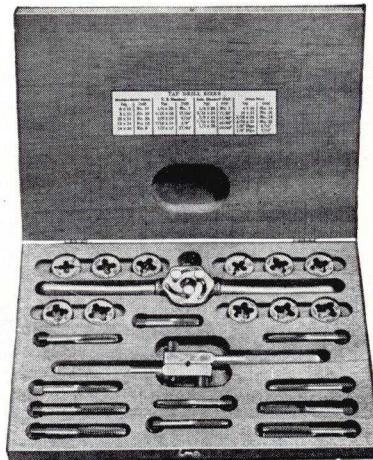
Order No.	Description	Price
MST22	4-36 M.S. Tap	
MST30	6-32 M.S. Tap	
MST36	8-32 M.S. Tap	
MST44	10-24 M.S. Tap	
MST46	10-32 M.S. Tap	
MST52	12-24 M.S. Tap	
DH2	Die Stock	
TD2	"T" Type Tap Wrench	
MSD22	4-36 M.S. Die	
MSD30	6-32 M.S. Die	
MSD36	8-32 M.S. Die	
MSD44	10-24 M.S. Die	
MSD46	10-32 M.S. Die	
MSD52	12-24 M.S. Die	

Spark Plug Taps

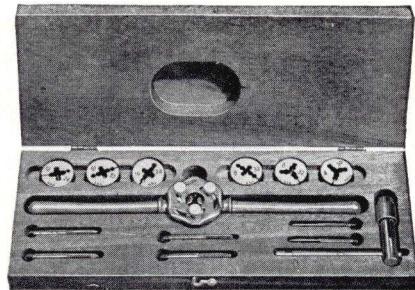
Order No.	Description	Price
MMT10	10 m/m Packard	
MMT14	14 m/m (V8-60 Ford)	
MMT18	18 m/m (V8-65 Ford)	
NST18	$\frac{7}{8}$ " - 18	
	4-Step Counter Bore	

MMT42 Set Contains one each of the above put up in very fine wooden box.

Quality Tools



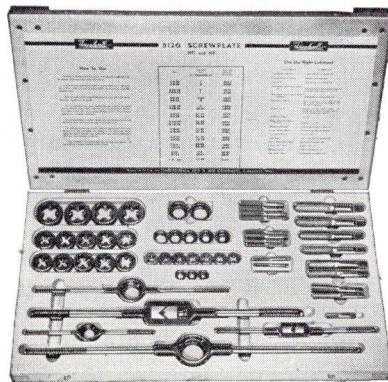
46AG



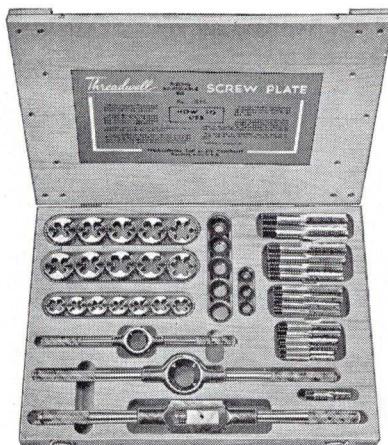
22AG



MMT42 Set



5110 Set



5120 Set

Tap and Die Set

No. 5110 Set contains one each of the following units, neatly packed in fine wood box.

Order No.	Price	Order No.	Price
DH4 —9" Die Stock.....		T60 — $\frac{1}{4}$ 20 U.S.S. Tap.....	
DH6 —14" Die Stock.....		T65 — $\frac{5}{16}$ 18 U.S.S. Tap.....	
TD8 —15" Adjustable Tap Wrench.....		T70 — $\frac{3}{8}$ 16 U.S.S. Tap.....	
D60 — $\frac{1}{4}$ 20 U.S.S. Die.....		T75 — $\frac{7}{16}$ 14 U.S.S. Tap.....	
D65 — $\frac{5}{16}$ 18 U.S.S. Die.....		T80 — $\frac{1}{2}$ 13 U.S.S. Tap.....	
D70 — $\frac{3}{8}$ 16 U.S.S. Die.....		T85 — $\frac{9}{16}$ 12 U.S.S. Tap.....	
D75 — $\frac{7}{16}$ 14 U.S.S. Die.....		T90 — $\frac{5}{8}$ 11 U.S.S. Tap.....	
D80 — $\frac{1}{2}$ 13 U.S.S. Die.....		T95 — $\frac{3}{4}$ 10 U.S.S. Tap.....	
D85 — $\frac{5}{16}$ 12 U.S.S. Die.....		T110 — $\frac{1}{4}$ 28 S.A.E. Tap.....	
D90 — $\frac{5}{16}$ 11 U.S.S. Die.....		T115 — $\frac{5}{16}$ 24 S.A.E. Tap.....	
D95 — $\frac{3}{4}$ 10 U.S.S. Die.....		T120 — $\frac{3}{8}$ 24 S.A.E. Tap.....	
D170 — $\frac{1}{4}$ 28 S.A.E. Die.....		T125 — $\frac{5}{16}$ 20 S.A.E. Tap.....	
D125 — $\frac{5}{16}$ 24 S.A.E. Die.....		T130 — $\frac{1}{2}$ 20 S.A.E. Tap.....	
D120 — $\frac{3}{8}$ 24 S.A.E. Die.....		T135 — $\frac{9}{16}$ 18 S.A.E. Tap.....	
D125 — $\frac{5}{16}$ 20 S.A.E. Die.....		T140 — $\frac{5}{8}$ 18 S.A.E. Tap.....	
D130 — $\frac{1}{2}$ 20 S.A.E. Die.....		T145 — $\frac{3}{4}$ 16 S.A.E. Tap.....	
D135 — $\frac{5}{16}$ 18 S.A.E. Die.....		D160 — $\frac{1}{8}$ Pipe Die.....	
D140 — $\frac{5}{8}$ 18 S.A.E. Die.....		T160 — $\frac{1}{8}$ Pipe Tap.....	
D145 — $\frac{3}{4}$ 16 S.A.E. Die.....			

(Steel Guide for Each Cutting Size)

Tap and Die Set

No. 5120 Set contains one each of the following units, neatly packed in fine wood box.

Order No.	Price	Order No.	Price
DH4 —9" Die Stock.....		T60 — $\frac{1}{4}$ 20 U.S.S. Tap.....	
DH6 —14" Die Stock.....		T65 — $\frac{5}{16}$ 18 U.S.S. Tap.....	
DH8 —23" Die Stock.....		T70 — $\frac{3}{8}$ 16 U.S.S. Tap.....	
TD6 —11" Adjustable Tap Wrench.....		T75 — $\frac{7}{16}$ 14 U.S.S. Tap.....	
TD10 —19" Adjustable Tap Wrench.....		T80 — $\frac{1}{2}$ 13 U.S.S. Tap.....	
D60 — $\frac{1}{4}$ 20 U.S.S. Die.....		T85 — $\frac{9}{16}$ 12 U.S.S. Tap.....	
D65 — $\frac{5}{16}$ 18 U.S.S. Die.....		T90 — $\frac{5}{8}$ 11 U.S.S. Tap.....	
D70 — $\frac{3}{8}$ 16 U.S.S. Die.....		T95 — $\frac{3}{4}$ 10 U.S.S. Tap.....	
D75 — $\frac{7}{16}$ 14 U.S.S. Die.....		T100 — $\frac{7}{8}$ 9 U.S.S. Tap.....	
D80 — $\frac{1}{2}$ 13 U.S.S. Die.....		T105 — $\frac{1}{8}$ 8 U.S.S. Tap.....	
D85 — $\frac{5}{16}$ 12 U.S.S. Die.....		T110 — $\frac{1}{4}$ 28 S.A.E. Tap.....	
D90 — $\frac{5}{16}$ 11 U.S.S. Die.....		T115 — $\frac{5}{16}$ 24 S.A.E. Tap.....	
D95 — $\frac{3}{4}$ 10 U.S.S. Die.....		T120 — $\frac{3}{8}$ 24 S.A.E. Tap.....	
D100 — $\frac{1}{8}$ 9 U.S.S. Die.....		T125 — $\frac{7}{16}$ 20 S.A.E. Tap.....	
D105 — $\frac{1}{8}$ 8 U.S.S. Die.....		T130 — $\frac{1}{2}$ 20 S.A.E. Tap.....	
D110 — $\frac{1}{4}$ 28 S.A.E. Die.....		T135 — $\frac{9}{16}$ 18 S.A.E. Tap.....	
D115 — $\frac{5}{16}$ 24 S.A.E. Die.....		T140 — $\frac{5}{8}$ 18 S.A.E. Tap.....	
D120 — $\frac{3}{8}$ 24 S.A.E. Die.....		T145 — $\frac{3}{4}$ 16 S.A.E. Tap.....	
D125 — $\frac{5}{16}$ 20 S.A.E. Die.....		T150 — $\frac{7}{8}$ 14 S.A.E. Tap.....	
D130 — $\frac{1}{2}$ 20 S.A.E. Die.....		T155 — $\frac{1}{8}$ 14 S.A.E. Tap.....	
D135 — $\frac{5}{16}$ 18 S.A.E. Die.....		D160 — $\frac{1}{8}$ Pipe Die.....	
D140 — $\frac{5}{8}$ 18 S.A.E. Die.....		T160 — $\frac{1}{8}$ Pipe Tap.....	
D145 — $\frac{3}{4}$ 16 S.A.E. Die.....			
D150 — $\frac{7}{8}$ 14 S.A.E. Die.....			
D155 — $\frac{1}{8}$ 14 S.A.E. Die.....			

(Steel Guides for Each Cutting Size)

CORNWELL

Quality Tools

Cornwell Ball Pein Hammers

Cornwell Hammers are made from molybdenum steel similar in analysis to other Cornwell products—an analysis decided upon after a great deal of research work.

Like all other Cornwell Quality Tools they are guaranteed. Of course, you can appreciate that we cannot guarantee the handle against breakage, but we are sure they will outlast the ordinary handle because they are made from selected second growth straight grained hickory.

Cornwell Hammers are perfectly balanced and you are sure to like them.

They are heat treated throughout in the most modern electrically-controlled furnace.

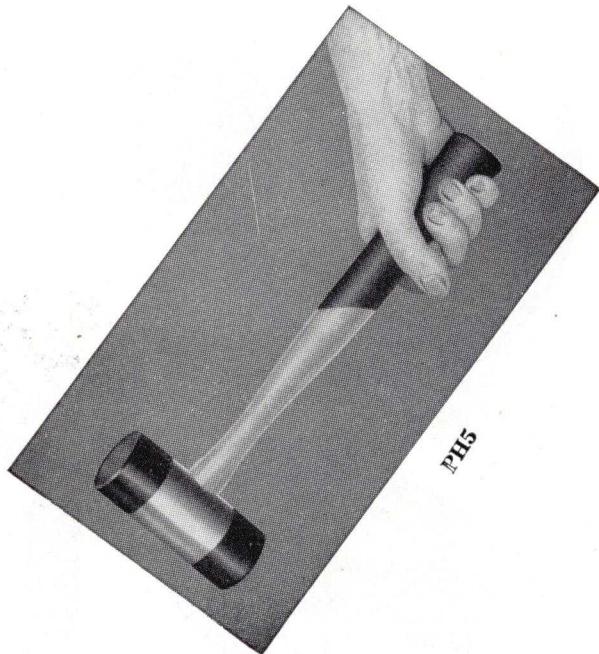
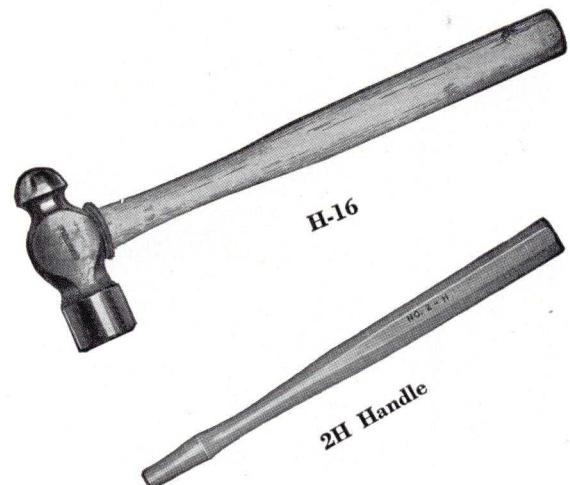
Order No.	Hammers Size in Lbs.	Price	Hammer Handle Only	
			Order No.	Price
H2	$\frac{1}{8}$		2H	
H4	$\frac{1}{4}$		4H	
H8	$\frac{1}{2}$		8H	
H12	$\frac{3}{4}$		12H	
H16	1		16H	
H24	$1\frac{1}{2}$		24H	
H32	2		32H	
H40	$2\frac{1}{2}$		40H	
H48	3		48H	

Nupla Plastic Hammers

NUPLA Plastic Hammers are made exclusively of Flex-o-Cryst—a semi-soft plastic that will not chip, crack or deform. They strike powerful, effective blows without battering or marring.

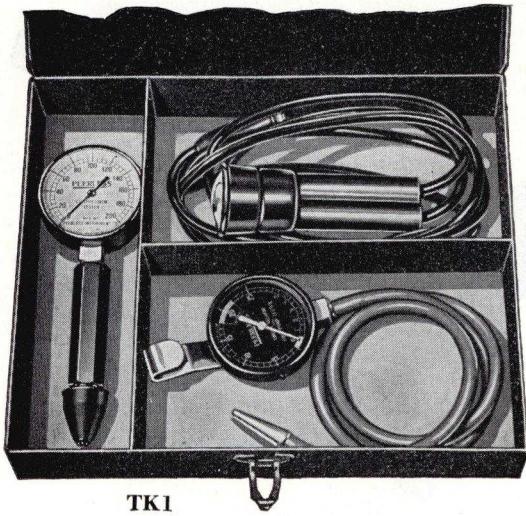
1. Will not mar or cut into metal or other material.
2. Prevent "piling up" of material.
3. No sting, vibration or rebound to workman's hands.
4. Reduces fatigue to a minimum.
5. More durable than rawhide or rubber.
6. Not affected by oil, gasoline, etc. Non-inflammable.
7. **Ideal for pneumatic hammer inserts.**

Order No.	Head Size	Weight	Price
PH5	1"	5 oz.	
PH8	1"	8 oz.	
PH8A	$1\frac{3}{8}$ "	8 oz.	
PH17	$1\frac{3}{8}$ "	17 oz.	
PH15	$1\frac{7}{8}$ "	15 oz.	
PH24	$1\frac{7}{8}$ "	24 oz.	
PH32	$1\frac{7}{8}$ "	32 oz.	



CORNWELL

Quality Tools



TK1



VG1



TL1

CT1

MOTOR TUNE-UP SET

With the three tools in this set a mechanic can readily tell the difficulty with a motor and the source of the trouble. It's a honey of a set which will take all the guesswork out of normal motor diagnosis and will save you hours of tinkering, and will immediately show you the cause of the trouble. It will considerably shorten tune-up time and turn out easy-starting, sweet-running jobs that will satisfy your customers and bring more business to you. Each tool is a precision instrument, and dependable. Gauges are designed with bushed bearings like a watch with ultra-sensitive spring movements. It's priced so reasonably that every mechanic can afford to own it.

Cornwell Motor Tune-up Set as illustrated, consisting of TL1 Timing Light, CT1 Compression Tester and VG1 Vacuum Gauge, all in handy metal box.

Order No.	Price
TK1	Complete as above
TK1B	Box only when ordered separately

Compression Tester

Registers from zero to 200 pounds compression per square inch and holds the highest compression reading exactly until the release valve button returns the reading to zero. The gauge may thus be removed from the spark plug hole for easier reading. The dial is calibrated into 5-pound divisions. The cover if damaged is easily replaced. The cone adapter is not effected by grease or gasoline — it fits all spark plug holes.

This compression tester is a universal type tester with a large easy-to-read dial. After compression has been tested the reading is returned to zero.

Order No.	Price
CT1	

Vacuum Gauge

The Vacuum Gauge illustrated is an indispensable instrument in checking balky motors. The dial is calibrated and marked in different colors to indicate the type of trouble in a motor. The gauge can also be used for checking faulty fuel pump pressure.

This vacuum and fuel pump gauge detects a wide range of engine troubles from leaky manifolds to weak valve springs.

Normal motor and fuel pump divisions are outlined in green.

Faulty motor divisions are outlined in red. The red section is further subdivided showing "Leaky Manifold", "Heat Riser" and "Late Ignition or Carburetor Adjustment". Adjustable restriction screw controls and minimizes the indicator vibrations, assuring exacting readings. Several feet of hose are included with the tool.

Order No.	Price
VG1	

Timing Light

Made in a sturdy case to stand the hard usage given to this tool under ordinary work conditions.

Its lens construction lights up with such brilliancy showing timing marks with unusual sharpness, brilliant enough to spot the timing marks exactly, making possible a perfect tune-up job, and gives a wide range of brilliance for spark plug testing.

Order No.	Price
TL1	

Sets of Jobbers High Speed Straight Shank Drills

These sets of Jobbers and Wire Gauge Drills are put up in folding metal containers made of cadmium plated steel.

The containers are sturdy and durable and so compact they can very conveniently be carried in tool boxes and kits.

Die cast holes in hinged panels, marked with drill sizes for quick identification, hold the drills. The panels open and close like the pages of a book.

No.	Drill Size Inches	Dec. Equiv. Inches	Length	Prices	
				Price Dozen	Price Each
HSD4	$\frac{1}{16}$	.0625	$2\frac{1}{2}$		
HSD5	$\frac{3}{64}$	.0781	$2\frac{5}{8}$		
HSD6	$\frac{3}{32}$	.0937	$2\frac{3}{4}$		
HSD7	$\frac{7}{64}$	.1094	$2\frac{7}{8}$		
HSD8	$\frac{1}{8}$	.1250	3		
HSD9	$\frac{9}{64}$	.1406	$3\frac{1}{8}$		
HSD10	$\frac{5}{32}$	.1562	$3\frac{1}{4}$		
HSD11	$\frac{11}{64}$	.1719	$3\frac{3}{8}$		
HSD12	$\frac{3}{16}$	.1875	$3\frac{1}{2}$		
HSD13	$\frac{13}{64}$	.2031	$3\frac{5}{8}$		
HSD14	$\frac{7}{32}$	.2187	$3\frac{3}{4}$		
HSD15	$\frac{15}{64}$	.2344	$3\frac{7}{8}$		
HSD16	$\frac{1}{4}$	.2500	4		

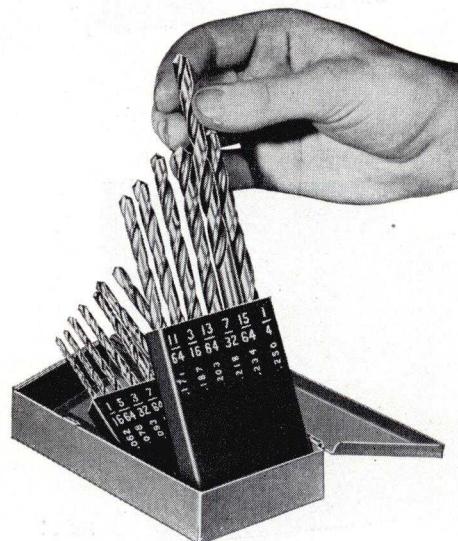
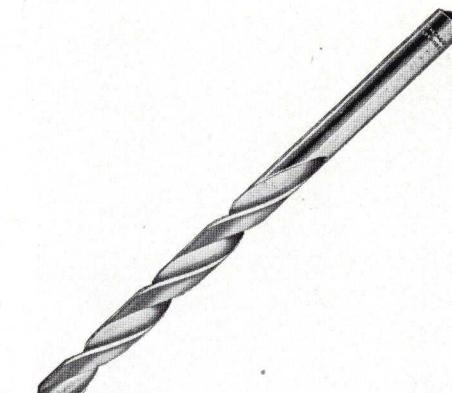
S E T S

Order No.	Price
HSD33	

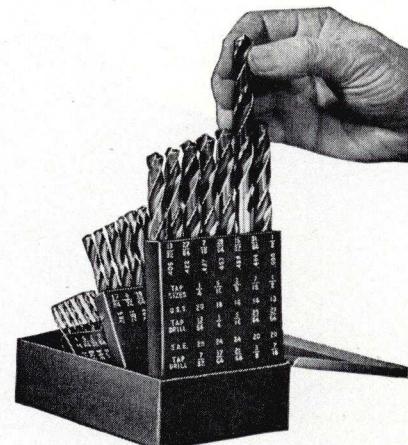
No.	Drill Size Inches	Dec. Equiv. Inches	Length	Prices	
				Price Dozen	Price Each
HSD4	$\frac{1}{16}$	.0625	$2\frac{1}{2}$		
HSD5	$\frac{3}{64}$	.0781	$2\frac{5}{8}$		
HSD6	$\frac{3}{32}$	.0937	$2\frac{3}{4}$		
HSD7	$\frac{7}{64}$	.1094	$2\frac{7}{8}$		
HSD8	$\frac{1}{8}$	.1250	3		
HSD9	$\frac{9}{64}$	.1406	$3\frac{1}{8}$		
HSD10	$\frac{5}{32}$	.1562	$3\frac{1}{4}$		
HSD11	$\frac{11}{64}$	.1719	$3\frac{3}{8}$		
HSD12	$\frac{3}{16}$	.1875	$3\frac{1}{2}$		
HSD13	$\frac{13}{64}$	.2031	$3\frac{5}{8}$		
HSD14	$\frac{7}{32}$	.2187	$3\frac{3}{4}$		
HSD15	$\frac{15}{64}$	.2344	$3\frac{7}{8}$		
HSD16	$\frac{1}{4}$	.2500	4		
HSD17	$\frac{17}{64}$	.2656	$4\frac{1}{8}$		
HSD18	$\frac{9}{32}$	.2812	$4\frac{1}{4}$		
HSD19	$\frac{19}{64}$	.2969	$4\frac{3}{8}$		
HSD20	$\frac{5}{16}$	.3125	$4\frac{1}{2}$		
HSD21	$\frac{21}{64}$	.3281	$4\frac{7}{8}$		
HSD22	$\frac{11}{32}$	.3437	$4\frac{3}{4}$		
HSD23	$\frac{23}{64}$	.3594	$4\frac{7}{8}$		
HSD24	$\frac{3}{8}$	.3750	5		
HSD25	$\frac{25}{64}$	.3906	$5\frac{1}{8}$		
HSD26	$\frac{13}{32}$	.4062	$5\frac{1}{4}$		
HSD27	$\frac{27}{64}$	.4219	$5\frac{3}{8}$		
HSD28	$\frac{7}{16}$	.4375	$5\frac{1}{2}$		
HSD29	$\frac{29}{64}$	.4531	$5\frac{5}{8}$		
HSD30	$\frac{15}{32}$	.4687	$5\frac{3}{4}$		
HSD31	$\frac{31}{64}$	.4844	$5\frac{7}{8}$		
HSD32	$\frac{1}{2}$	.5000	6		

S E T S

Order No.	Price
HSD35	



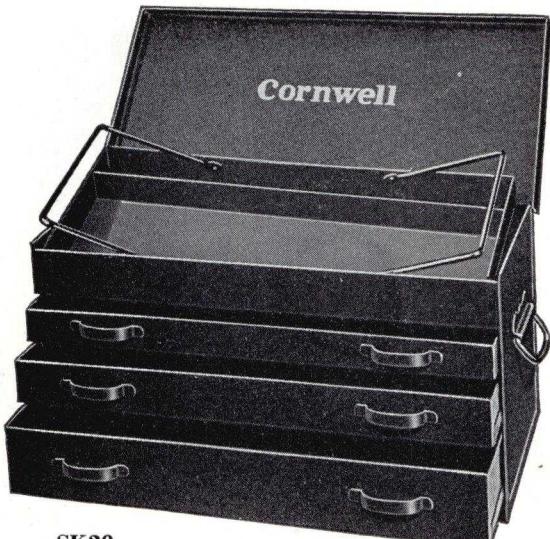
HSD33 Set



HSD35 Set

CORNWELL

Quality Tools



SK20



SK21



SK22

No. SK20 Master Tool Box

A master box made of standard heavy gauge material for the mechanic with a medium assortment of tools. Front cover folds into the lid and out of the way. OUR OWN ORIGINAL DESIGN. Three roomy drawers with adjustable partitions in the top one. Top compartment equipped with same tray as SK24 DeLuxe box.

Overall dimensions $20\frac{1}{2}'' \times 9\frac{1}{4}'' \times 10\frac{1}{4}''$; top compartment $20\frac{1}{8}'' \times 8\frac{7}{8}'' \times 2\frac{1}{2}''$; top drawer $19\frac{5}{8}'' \times 8'' \times 1\frac{1}{2}''$; center drawer $19\frac{5}{8}'' \times 8'' \times 2''$; bottom drawer $19\frac{5}{8}'' \times 8'' \times 2\frac{1}{3}''$; bottom space $20'' \times 9'' \times 1''$.

Order No. SK20.

Price varies according to zones from factory

1st, 2nd and 3rd Zones.....
4th Zone
5th Zone and up.....

Gable Top Tool Box

SK21 Box Open

Conveniences offered as indicated below are:

Top tote tray—3" deep x 8" wide x $20\frac{1}{4}''$ long.
Top main drawer— $1\frac{1}{4}''$ deep x $7\frac{5}{8}''$ wide x $20\frac{1}{4}''$ long.
Bottom main drawer—3" deep x $7\frac{5}{8}''$ wide x $20\frac{1}{4}''$ long.

Inside sliding drawer—auxiliary to main bottom drawer— $1\frac{1}{8}''$ deep x $3\frac{1}{4}''$ wide x $20''$ long.

Outside dimension of box when closed—11" high to the top of gable x $8\frac{3}{4}''$ wide x $21''$ long.

This box is made of the same heavy gauge material used in the manufacture of all other CORNWELL boxes. It has a heavy pressed steel carrying handle mounted at the top center of the lid, and is finished in black "krinkle", making a very attractive and serviceable box.

The front panel disappears under the bottom drawer when the box is open, and junctions with top cover when closing, so as to conceal all cracks and reduces temptation of prying open to a minimum.

Order No. SK21 — Price varies according to zones from factory.

1st, 2nd, 3rd and 4th Zones, complete as shown.....
5th Zone, complete as shown.....
6th Zone and up, complete as shown.....

Cornwell Gable Top Service Box

SK22 Service Box

This box is designed for the mechanic who needs only a few tools to do all of his work but must have them handy when he needs them. It is a good auxiliary box for the man who has the larger tool chests; special tools can be thrown in it to take out on the service truck.

It is made of heavy gauge steel, double lid opening, two full length piano hinges, two snap catches, hasp and staple for locking. Has suit case type handle.

DIMENSIONS

BOX	TOP TRAY
$18\frac{1}{2}''$ long	$18\frac{1}{4}''$ long
7" wide	$6\frac{7}{8}''$ wide
$8\frac{1}{4}''$ deep at gable	(With built in socket tray) 2" deep

Full length carrying handle

Price complete as shown.....

Weight 11 lbs. unpacked

CORNWELL . . .

Quality Tools

The Cornwell "RED BIRD" Is The Last Word in TOOL CABINETS

This cabinet is a "bird" and it is RED,—a "RED BIRD" natural. It is built up to just the right height for a work bench. One can stand fully erect while working at the bench and the extra height gives so much more space underneath for tool storage, all of which is utilized in well arranged drawers—two of them cloth lined to protect the finer precision tools, then four larger drawers for the larger tools, and then a large, open compartment for pieces of equipment. A neat general appearance either open or closed. The photograph shows the cabinet open. Note: The large drawers are equipped with double, compound, floating slides. Both doors disappear as shown at left (see illustration at left) — To close, they pull out as shown at right. It is made as nearly thief-proof as possible by the best grade Corbin lock.

Electric Attachments

Cabinet is designed to hold a Fluorescent light especially designed to meet the requirements of the mechanic. The light base is mounted to the heavy metal top of cabinet, has a built in switch with long length of cord, and two outlets to plug in drop cords. The light has a goose neck extension rod, 36" above the bench, and can be adjusted to shine directly on the bench or to the right or left as the work may require.

Stock No.	Price
TC75L	

Overall Dimensions of Cabinet

37" high from the floor, 32" wide and 18" deep.

Drawer Dimensions

Top (two), cloth lined, 17" x 11" x $\frac{7}{8}$ "
Next two full drawers, 17" x 23" x 2"
Two bottom drawers, 17" x 23" x 3 $\frac{1}{2}$ "

Bottom Space

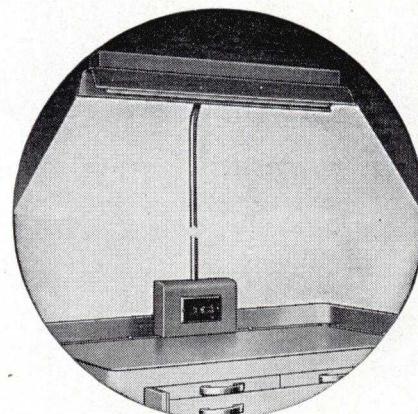
17 $\frac{1}{2}$ " x 24" x 15"

10,928 Cubic Inches Storage Space

Stock No.	Price
TC75	Red Bird Roller Cabinet



Red Bird Cabinet



TC75L

A DeLuxe Cabinet built just the right height for a work bench — neat in appearance either open or closed. Made as nearly thief-proof as possible with the best Corbin lock.

CORNWELL

Quality Tools



Master DeLuxe Tool Box and
Tool Cabinet TC65 Assembly

Master DeLuxe Tool Box and Cornwell Tool Cabinet Assembled Together

Combination consists of our regular No. SK24 tool box, as illustrated and described on page 87 wherein you will find detailed specifications and our No. TC65 tool cabinet illustrated and described separately on page 87 where you will find specifications thereon.

This Cornwell Master DeLuxe Tool Toter Cabinet gives the mechanic everything he needs in the way of storage for complete tool equipment of every kind and description.

Please note particularly the dimensions of the storage space in the bottom part of the TC65 Tool Toter Cabinet as shown in the specifications on page 87, which gives the mechanic ample storage space for such items as large as the Pneumatic Fender Hammer, electric drills and other small equipment of this nature. Also affords ample storage space for your working clothes.

The two units are shipped separately when ordered as a complete outfit.

The No. SK24 tool box, as shown by the illustration, fits into the top of the No. TC65 cabinet and remains rigidly in place. However, the No. SK24 can be lifted off the top of the No. TC65 cabinet at will.

Just three small holes and three small stove bolts is all that is required to permanently attach the two parts together.

Prices on individual units shown below.

Prices on Master DeLuxe Tool Box

Order No. SK24	Price
Local, 1st, 2nd, 3rd and 4th Zone.....	
5th Zone	
6th Zone and up.....	

Cornwell Tool Cabinet

Order No. TC65 as illustrated	Price
Local, 1st, 2nd, 3rd and 4th Zone.....	
5th Zone	
6th Zone and up.....	
Shipping Weight 80 lbs.	

"Master DeLuxe" Tool Box

The MASTER DELUXE TOOL BOX at right is made of extra heavy gauge steel. Has compartment at each end of tote tray $11\frac{3}{4}$ " long, 4" wide, $2\frac{1}{4}$ " deep.

Has tote tray 17" long, 10" wide, $1\frac{3}{4}$ " deep, with socket compartment built in it. Tray equipped with handles that fold out of the way.

TOP DRAWER SECTION has a 12" long, 11" wide, $1\frac{1}{8}$ " deep drawer that fits in between.

TWO DRAWERS 11" long, $4\frac{7}{8}$ " wide, $1\frac{1}{8}$ " deep.

TWO DRAWERS 23" long, 11" wide, 2" deep.

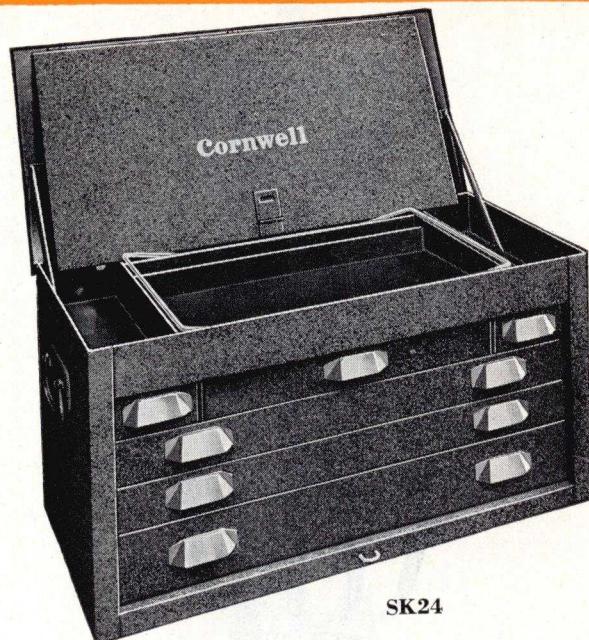
ONE DRAWER 23" long, 11" wide, $2\frac{7}{8}$ " deep.

All drawers equipped with easy rolling compound slides.

SIX drawers in all plus abundant top compartment space.

All drawer pulls Nickel Plated.

Dimensions outside 26" long, 12" wide, $13\frac{1}{4}$ " high. Weight of box only 62 lbs. Shipping weight 72 lbs.



SK24

Both units can be furnished in either black or red at same price

Cornwell Tool Cabinet

This illustration shows the Cornwell Tool Cabinet as it appears when open. It is built of very heavy gauge steel and the two sides and the back of the cabinet are one solid piece, thereby making what is generally called "one piece construction."

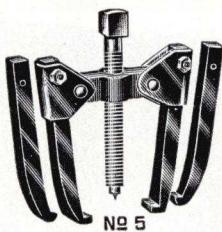
The overall dimensions of the cabinet are $26\frac{1}{2}$ " long, 18" wide and 22" high. It is equipped with two drawers mounted on easy moving, double compound slides. Each drawer being 23" long, 12" wide and $3\frac{1}{4}$ " deep. Space beneath the drawers is $26\frac{1}{4}$ " long, 18" wide and 11" high, which is a space provided for such tools as electric drill, fender hammer, small hand grinders and such other pieces of small equipment.

The cabinet is equipped with 3" easy rolling rubber casters.

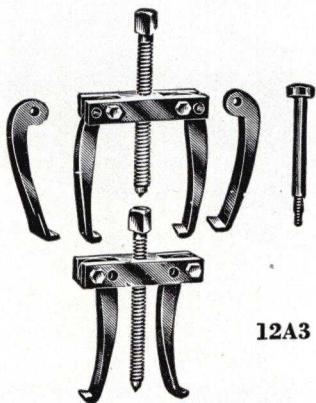


TC65

The Cornwell No. TC65 Tool Cabinet is equipped with a disappearing front, which slides back into the cabinet above the top drawer. It is very easily closed by merely pulling it out as far as it will come, then dropped down where it will snap into place. The locking staple protrudes through the front cover for attaching a padlock. The edges of the front cover, as well as the edges of the cabinet adjoining the front cover, are built in such manner that it is practically impossible for one to "jimmy" the front cover open.



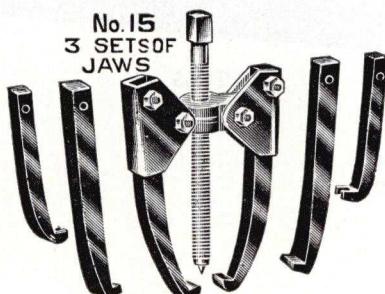
No. 5



12A3



13



15-3

No. 5 Hunt's Gear Puller

The handiest Puller ever devised for small pulling jobs such as generator gears, bearings and general electrical repair work and is also an ideal tool for removing tight battery terminals. It exerts a straight positive pressure, thus eliminating all chance of broken battery posts.

Comes with narrow and wide sets of jaws, both being necessary for general purposes. This Puller can also be used for removing the smaller timing gears, such as are found on electric light plants and gasoline engines.

Order No.

- 5 Gear Puller with wide jaws only, net each
- 5 Gear Puller with both pair jaws, net each
- Shipping weight 3 lbs.

No. 12A3 Hunt's Gear Puller

Made from chrome nickel steel, highly tempered and guaranteed not to break. Three sets of jaws are furnished, namely:

Wide, Narrow and Stud Jaws. While built especially for timing gear work, it will handle many other jobs, such as the Chevrolet crankshaft timing gear and Studebaker starter clutch. Screw furnished with Puller is $7\frac{3}{4}$ " long. Jaws can be adjusted for pulling different size gears and also can be reversed to pull from the inside of a gear instead of the outside. Full automatic grip in either position guarantees a satisfactory pulling job. Will pull gears up to 7 inches in diameter.

Order No.

- 12 Bar, Screw and Cap Screws
- 12 Wide or Narrow Jaws, per pair
- 12 Stud Jaws, pair
- 12 Puller complete with three set jaws
- Shipping weight $5\frac{1}{4}$ lbs.

Hunt's No. 13 Electrical Puller

Compact, powerful and efficient is this small puller. Has adjustable hand forged jaws, heat treated center bar, screw, cap screws and arms. Just the size for battery terminals, magneto bearings, gears, etc. Fully guaranteed. Jaw spread 4 inches, depth reach $2\frac{3}{4}$ inches.

Order No.

- 13 Electrical Puller, net
- Shipping weight 2 lbs.

Hunt's No. 15-3 Gear Puller

Our No. 15 Gear Puller with three sets of interchangeable jaws is a universal timing gear puller as well as the correct size for most general medium garage work. Will pull 95% of all timing gears on old and new cars, including Buick, Ford, Chevrolet, Pontiac, Nash, Chrysler, Hudson, etc. Jaws shown in frame are narrow type for general work. Second set illustrated are wide and thin on the lips for reaching behind gears with limited space clearance. Jaws are only $\frac{1}{8}$ " thick for that purpose. Third jaw set are slotted on the ends to take ordinary cap screws, which are turned into timing gears with tapped holes. Take $\frac{5}{16}$ ", $\frac{3}{8}$ " and $\frac{7}{16}$ " Cap Screw sizes.

Depth reach of puller 5 inches. Spread of jaws or reach 7 in. Pulling power 7 ton.

Order No.

- 15-3 Gear Puller Complete
- 15 Frame only — less jaws
- Narrow, Wide or Cap Screw Jaws only, per pair

PRICES ON APPLICATION

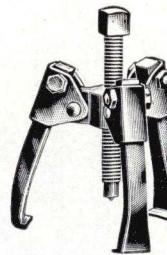
Hunt's No. 10 Gear Puller

A three-jaw puller in the same size as our No. 5, using the regular No. 5 wide or narrow jaws, clips, etc. A necessity for removing small bearings, gears, etc., where a pull of not over five ton is required. This style of puller is preferred by some mechanics over the regular two-jaw and can be used to advantage on many jobs.

Order No.

10 Gear Puller

Narrow set jaws for above puller—extra, per set



10

No. 18 Hunt's 3-Jaw Puller

Built in the same size as our No. 15 Gear Puller with the exception that it has three jaws instead of two, this puller will handle the odd jobs where a 3-jaw puller is a necessity. The jaws are narrow, have a depth reach of 5" and a spread of 8". This Puller also has the full automatic self-gripping feature and is an ideal tool for timing gears with three openings or other work that requires a light, convenient and powerful 3-jaw Puller.

Order No.

18

3-Jaw Puller

Shipping weight 6 $\frac{3}{4}$ lbs.



18

No. 32 Hunt's 3-Jaw Puller

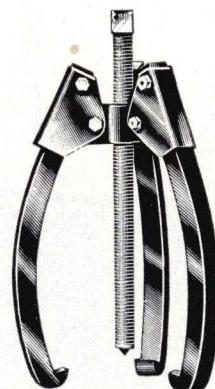
Made on the same design as our No. 18 Puller but almost twice as large. The Jaws are hand forged from 1" square chrome nickel steel, have a depth reach of 10" and a spread of 16". This Puller is especially fitted for pulling the International flywheel and other heavy jobs where a powerful 3-jaw Puller is needed.

Order No.

32

3-Jaw Puller

Shipping weight 22 lbs.



32

No. 103 Hunt's 3-Jaw Puller

This Puller is the same size as our No. 101 with the exception that it has three jaws instead of two. This Puller is especially adapted for pulling large pulleys, gears, sprockets, etc., is hand forged and fully guaranteed and will exert a pulling pressure of thirty-five ton.

Order No.

103

Hunt's 3-Jaw Puller, net each

Shipping weight 75 lbs.

PRICES ON APPLICATION

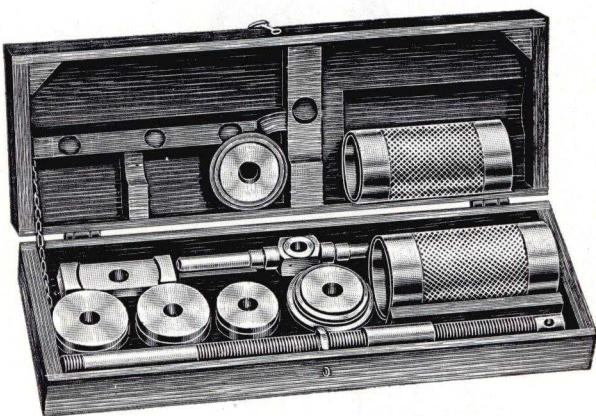
Three-Jaw Gear Pullers for Every Purpose. From Four to Forty Ton Capacity. All Self-Adjusting



15-5



15-1



800

Hunt's No. 15-5 Combination Set

This puller complete with five sets of jaws is the ideal tool for universal pulling work on all makes of cars. Jaws as illustrated designated as narrow, wide, cap screw, Ford Special and Perch Jaws.

Narrow jaws are for general work. Wide jaws have an extremely thin lip, only $\frac{3}{16}$ " thick to get behind gears where very limited space only is available. Cap Screw jaws are slotted to take cap screws which are first turned into tapped holes in timing gears for pulling.

The Ford Special jaws are double ended; one jaw for general heavy duty work, and the other particularly for servicing the Model "T" Ford.

The Perch Jaws are needed to make a puller for removing the spring perches on all model Ford cars, from the Model "T" to the "A", "B", BB and V-8 cars, including the 1933, '34, '35, '36 and '37 models.

Order No.

15	With five set jaws, net each
15	Frame only, net each
	Narrow, Wide or Cap Screw Jaws, net pair
	Ford Special Jaws, net pair
	Perch Jaws, net pair

Hunt's No. 15-1 Gear Puller

A medium sized gear puller for timing gear, pinion, bearing work, etc. Has the patented self-adjusting feature, double heat treated jaws hand forged, and a $\frac{9}{16}$ " diameter center screw. Will pull gears 7 inches in diameter and has a depth reach of 5 inches. The strongest puller for its size in the world.

Order No.

15-1	Gear Puller, each
(Wide jaws will be substituted if desired.)	
Shipping weight 7 lbs.	

Hunt's No. 800 Ford Cylinder Sleeve Set

An all steel, Universal Cylinder Sleeve Set for servicing the 1940 models, including the 60 and 85 H.P. motors, the Mercury 95 and the new Ford Tractor. Will remove or push back into position any of these sleeves with a minimum of time and effort. All work is done from the top of the motor and it is unnecessary to pull the motor in order to get a first class job. Has accurately cut steel adaptors to fit the three sizes of sleeves, guide blocks to make sure all pulling or pushing is done in a straight line, and other necessary parts as shown. Is well made, nicely finished and fully guaranteed. Come complete in wooden box to insure safe arrival and to provide a suitable place to keep set together during years of use.

Order No.

800	Ford Cylinder Sleeve Set, net each
Shipping weight 30 lbs.	

PRICES ON APPLICATION

Hunt's No. 97-3 Universal Cylinder Sleeve Puller

SPECIFICATIONS OF PULLER

Total length of Puller.....	22"
Depth reach below Bar.....	16 $\frac{3}{4}$ "
Spread of Jaws — maximum.....	12"
Spread of Jaws — minimum.....	2"
Length of Cylinder Block Bar.....	9 $\frac{1}{2}$ "
Pulling Power — approximately.....	10 ton

This puller is a Universal Cylinder Sleeve Puller, with capacity to pull sleeves up to 12" in diameter. Jaws are hand forged, all parts are double heat treated, even to the cap screws.

In the lower illustration on opposite page we show two pairs of jaws to fit the same frame. These jaws are narrow and wide at the lips for general purpose work pulling gears, pinions, bearings, pulleys, etc. Capacity of these jaws is 8" spread and 6" depth reach. Built for heavy service on truck and tractor work.

Order No.

97-3 Puller complete with all parts shown in both illustrations

97 Puller with Cylinder Sleeve Jaws and Block Bar as shown at left

Wide or Narrow Jaws, per pair

Cylinder Block Bar only

Shipping weight complete 20 lbs.

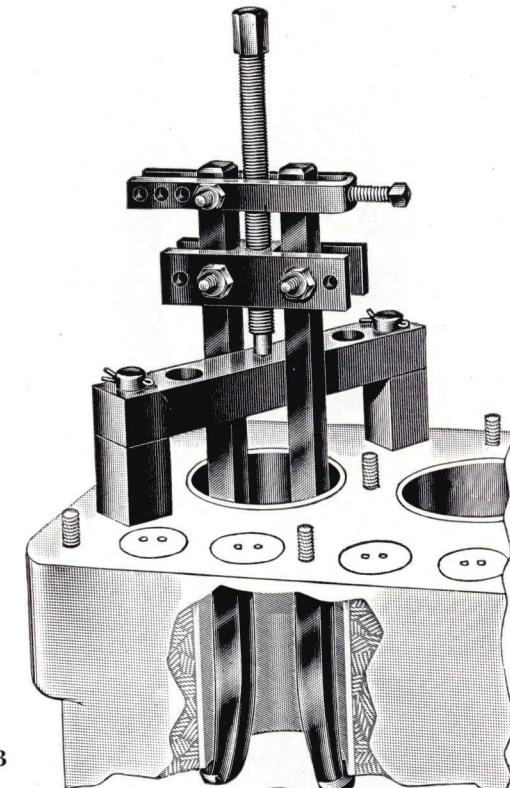
Hunt's No. 95 Universal Timken Bearing Cup Puller

A Universal Timken Bearing Cup Puller for passenger car work. Has hand forged jaws formed to fit the curve of the cup, double heat treated and guaranteed against breaking. Positive gripping feature and cannot slip. Also has a double adjustment to fit all cups used in Dodge, Chrysler, Plymouth, De Soto, Nash, Hupmobile, Studebaker, Auburn, Cadillac, Checker Cab and other axle housings. Will save its cost in removing two bearing cups, many of which have to be removed by a cutting torch. Services all bearing cups from the smallest up to 4 $\frac{1}{2}$ " in diameter.

Order No.

95 Bearing Cup Puller complete with special housing bar
Housing Bar only

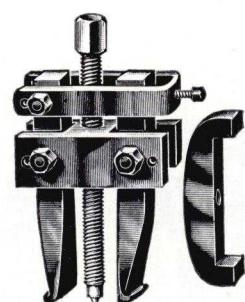
PRICES ON APPLICATION



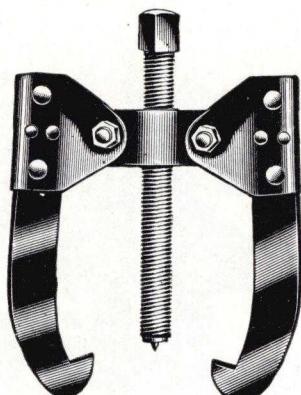
97-3



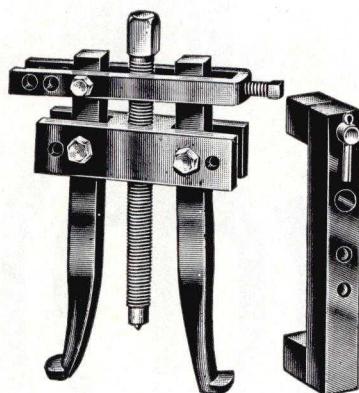
97



95



200



105



88-3

Hunt's No. 200 Heavy Duty Puller

This Puller is built for the large industrial plants, machine shops, etc., for continuous heavy duty and service. The arms are 20" long, are made from 1½" x 3" special specification steel and double heat treated. The screw is 20" long, 2" in diameter and the Puller will handle a job up to 75 ton. The Puller complete weighs 108 pounds, has a depth reach of 12" and a spread of 20". If desired, six inch longer arms will be furnished increasing depth reach to 18" and spread to 24".

Order No.

200 Heavy Duty Gear and Wheel Puller, 20" arms
200 Heavy Duty Gear and Wheel Puller, 26" arms

TIMKEN BEARING PULLER

Puller Unit for Timken Bearing Work Only

Order No.

105 Complete with Bar as illustrated
 Less Bar

No. 88-3 Universal Gear and Bearing Puller

A combination puller for present day requirements, with features to guarantee satisfaction on a wide variety of work. As illustrated, three sets of jaws fit the same bar and screw, the narrow and wide jaws being designed for the usual timing gear, pinion and pulley work. Narrow jaws have considerable curve and are heavily built for powerful pulling, while the wide jaws have a $\frac{1}{16}$ " thick lip for reaching behind gears where only limited space is available. With narrow jaws the puller has remarkable spread and depth reach, as a pulley measuring five inches in diameter with a five-inch face can be removed with ease. Total depth reach is 6½" inches. Has hand forged jaws, a $\frac{5}{8}$ " screw, 9½" inches long and special fine thread for greater power. Will maintain its grip without slipping and is heat treated throughout.

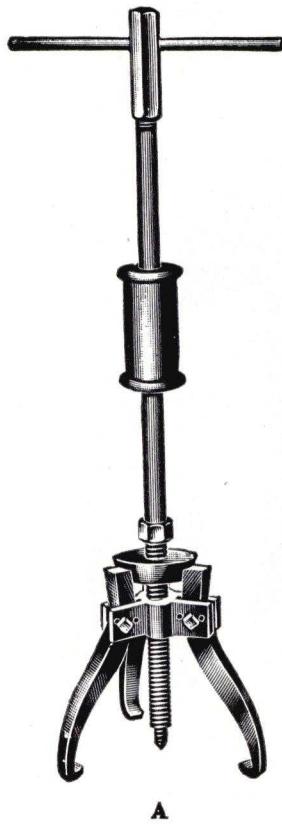
With third set of jaws a complete universal bearing cup puller is ready for Timken bearing cup work. Jaws are circle ground to accurately fit and spread up to 7½" inches to take not only the passenger car cups, but also truck and tractor sizes. Jaws are curved to pull either the inner or outer cup and all parts are heat treated. Adjusting screw holds the jaws in position at all times.

May be purchased as a complete unit or with any combination of jaws and parts illustrated.

Order No.

88-3 Universal Puller complete as illustrated
 Shipping weight 18 lbs.
88 Bar, Screw and Cap Screws
 Narrow or wide jaws for same, per pr.
 Bearing Cup Jaws for same with locking clamp, per pr.
 Housing Bar only as shown

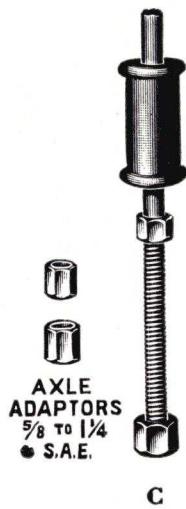
PRICES ON APPLICATION



A



B



C

Hunt's No. 111 Universal Hammer Puller

This puller, as illustrated, is universal for pulling gears, pulleys, bearings, axles, Timken Races and all general work. Has two sets of jaws, one for external work, the other for Timken Races. In addition, a set of six adaptors for axle pulling is included.

For external pulling, jaws are set in position, locked and the gear removed either by using the hammer, by screwing the screw against the axle or by both methods together. On Timken Races the jaws are expanded into position by the tapered block, which also locks them and the hammer quickly removes the race from the housing.

The end of the main pulling screw is threaded to take the regular axle adaptors. Axles are quickly removed by the hammer method and without damage to differential bearings or other parts.

Puller specifications are as follows:

Length of center screw.....	28"
Maximum spread of external pulling jaws.....	7"
Maximum spread of internal pulling jaws.....	4"

Order No.

- 111 Puller set complete with "6" Axle Adaptors, Internal and external jaws, center shaft, booster hammer, lower nut and cross "Tee" handle as illustrated
- 111A Puller with external pulling jaws only (Illustrated in center.)
- 111C Puller with external jaws ("A" shown at center) and 6 axle adaptors $\frac{5}{8}$ " to $1\frac{1}{4}$ " SAE incl.
- 111B Puller as shown at right for Timken Bearing Race work
- 111B Puller with internal jaws ("B" shown at right) for Timken Bearing Race work and 6 axle adaptors $\frac{5}{8}$ " to $1\frac{1}{4}$ " SAE incl.
- 111C Puller for axle work only—6 adaptors inc. (shown at left)

Shipping weight of complete set 20 lbs.

PARTS PRICE LIST

Center shaft as illustrated, including booster hammer, lower nut and cross "Tee" handle

Set of Wheel Pulling Adaptors (6 sizes)

Set of 3 long jaws shown in "A"

Center Three Way Block

Cap Screws (3 needed for puller)

Large Locking Disc (shown in "A")

Small Spreading Disc (2 needed — only 1 illustrated)

Set of 3 Bearing Cup Jaws

PRICES ON APPLICATION

HUNT'S PULLER PARTS LIST

No. 5 Puller

Screw	
Jaw, each	
Block	
Clip	
Bolt and Nut.....	

No. 10 Puller

Screw	
Jaw, each	
Block	
Clip	
Bolt and Nut.....	

No. 15 Puller

Screw	
Jaw, each	
Block	
Clip	
Bolt and Nut.....	
Perch Jaw	
Ford Spec.	
Three Way Block No. 18.....	

No. 20 Puller

Screw	
Jaw, each	
Block	
Clip	
Bolt and Nut.....	

No. 30 Puller

Screw	
Jaw, each	
Block	
Clip	
Bolt and Nut.....	
Three Way Block.....	

No. 101A Puller

Screw	
Jaw, each	
Block	
Clip	
Bolt and Nut.....	

No. 97 Puller

Screw Block	
Center Screw	
Cap Screws, each.....	
Cylinder Block Bar.....	
Sleeve Jaws and Clamp, per pair.....	
Wide or Narrow Jaws, per pair.....	

No. 13 Puller

Center Screw	
Screw Block	
Jaws, each	

No. 45 Puller

Screw	
Jaw, each	
Block	
Clip	
Bolt and Nut.....	

No. 32 Puller

Screw	
Jaw, each	
Block	
Clip	
Bolt and Nut.....	
Three Way Block.....	

No. 200 Puller

Screw	
Jaw, each	
Block	
Plates, each	
Rivets, each	
Bolt and Nut.....	

No. 95 Puller

Center Screw	
Jaw, each	
Screw Block	
Upper Locking Bar.....	
Adjusting Set Screw.....	
Bolt and Nut, each.....	
Lower Housing Bar.....	

No. 88-3

Center Screw	
Bearing Cup Jaws.....	
Upper Locking Bar.....	
Adjusting Set Screw.....	
Screw Block	
Bolt and Nut, each.....	
Lower Housing Bar.....	
Wide or Narrow Jaws, each.....	

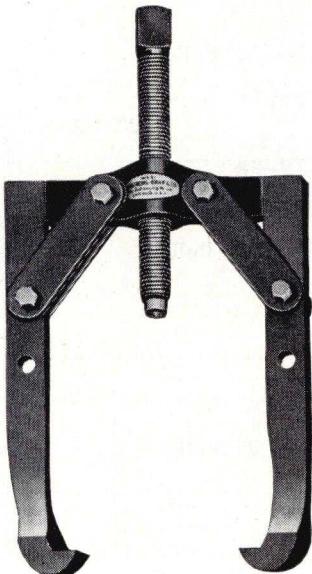
No. 18 Puller

Screw	
Jaw, each	
Block	
Clip	
Bolt and Nut.....	
Perch Jaw	
Ford Spec.	
Three Way Block No. 18.....	

No. 12 Puller

Screw	
Jaw, each	
Block (No. 12, No. 15).....	
Clip	
Bolt and Nut	
Perch Jaw	
Ford Spec.	
Three Way Block No. 18.....	

PRICES ON APPLICATION



1003

This 2-Arm Steelgrip Puller is furnished with long and short arms. The long arm has three hole adjustments for reach. Above is illustrated a short arm puller.

STEELGRIP Standard 2-Arm Puller

Steelgrip Puller is equipped with forged heat treated rigid steel arms. Cap screws, straps, etc., also heat treated steel. The hardened forcing screw is 6" long with fine threads and is pointed on the end. Will take gears, wheels, etc., up to 6" in diameter. Has a 3 $\frac{1}{4}$ " reach from end of the shaft. (Weighs approximately 2 $\frac{1}{2}$ lbs.)

Order No.
1001

Price

Same as above only with longer arms to reach 5 $\frac{1}{2}$ " in from end of shaft. Has 2 hole adjustment for reach. (Weighs approximately 3 lbs.)

Order No.
1001A

Price

Steelgrip Puller is equipped with forged heat treated rigid steel arms. Cap screws, straps, etc., also heat treated steel. The hardened forcing screw is 9" long with fine threads and is pointed on the end. Will take gears, wheels, etc., up to 8" in diameter. Has a 5 $\frac{1}{2}$ " reach from end of shaft. (Weighs approximately 5 lbs.)

Order No.
1002

Price

Same as above only with long arms to reach 8 $\frac{1}{2}$ " in from end of shaft. Has 3 hole adjustments for reach. (Weighs approximately 6 lbs.)

Order No.
1002A

Price

Steelgrip Puller is equipped with drop forged heat treated rigid steel arms. Cap screws, straps, etc., also heat treated steel. The hardened forcing screw is 12" long with fine threads and is pointed on the end. Will take gears, wheels, etc., up to 12" in diameter. Has a 9" reach from end of shaft. (Weighs approximately 11 lbs.)

Order No.
1003

Price

Same as above only with long arms to reach 15 $\frac{1}{2}$ " in from end of shaft. Has 3 hole adjustments for reach. (Weighs approximately 14 lbs.)

Order No.
1003A

Price

Steelgrip Puller is equipped with drop forged heat treated rigid steel arms. Cap screws, straps, etc., also heat treated steel. The 1" hardened forcing screw is 12" long with fine threads and is pointed on the end. Will take gears, wheels, etc., up to 14" in diameter. Has a 14" reach in from end of shaft. (Weighs approximately 23 lbs.)

Order No.
1003 $\frac{1}{2}$

Price

Same as above only with long arms to reach 18" in from end of shaft. Has 3 hole adjustment for reach. (Weighs approximately 27 lbs.)

Order No.
1003 $\frac{1}{2}$ A

Price

Steelgrip Puller is equipped with drop forged heat treated rigid steel arms. Cap screws, straps, etc., also heat treated steel. The hardened forcing screw is 16" long with fine threads and is pointed on the end. Will take gears, wheels, etc., up to 18" in diameter. Has a 15 $\frac{1}{2}$ " reach from end of shaft. (Weighs approximately 40 lbs.)

Order No.
1004

Price

Same as above only with long arms to reach 22" in from end of shaft. Has 3 hole adjustment for reach. (Weighs approximately 45 lbs.)

Order No.
1004A

Price

CORNWELL . . .

Quality Tools

STEELGRIP

Standard 3-Arm Gear and Wheel Puller

Steelgrip Puller is equipped with 3 forged heat treated steel arms. Cap screws, straps, etc., also heat treated steel. The $\frac{1}{2}$ " diameter hardened forcing screw is 6" long with fine threads and is pointed on the end. Will take gears, wheels, etc., up to 6" in diameter. Has a $3\frac{1}{4}$ " reach from end of shaft. Arms, screws, straps, etc., interchangeable with our No. 1001 Puller. (Weighs approximately 3 lbs.)

Order No.	Price
1031	

Same as above only long arms to reach $5\frac{1}{2}$ " in from end of shaft. (Weighs approximately 4 lbs.)

Order No.	Price
1031A	

Steelgrip Puller is equipped with 3 forged heat treated steel arms. Cap screws, straps, etc., also heat treated steel. The $\frac{5}{8}$ " diameter hardened forcing screw is 9" long with fine threads and is pointed on the end. Will take gears, wheels, etc., up to 8" in diameter. Has a $5\frac{1}{2}$ " reach from end of shaft. Arms, straps, etc., are interchangeable with our No. 1002 Puller. (Weighs approximately 7 lbs.)

Order No.	Price
1032	

Same as above only with long arms to reach $8\frac{1}{2}$ " in from end of shaft. (Weighs approximately $8\frac{1}{2}$ lbs.)

Order No.	Price
1032A	

Same as above only with long arms to reach $15\frac{1}{2}$ " in from end of shaft. (Weighs approximately 19 lbs.)

Order No.	Price
1033A	

Steelgrip Puller is equipped with 3 drop forged heat treated steel arms. Cap screws, straps, etc., also heat treated steel. The $\frac{3}{4}$ " diameter hardened forcing screw is 12" long with fine threads and is pointed on the end. Will take gears, wheels, etc., up to 12" in diameter. Has a 9" reach from end of shaft. Arms, straps, etc., are interchangeable with our No. 1003 Puller. (Weighs approximately 15 lbs.)

Order No.	Price
1033	

Steelgrip Puller is equipped with 3 drop forged heat treated steel arms. Cap screws, straps, etc., also heat treated steel. The 1" diameter hardened forcing screw is 12" long with fine threads and is pointed on the end. Will take gears, wheels, etc., up to 14" in diameter. Has a 14" reach from end of shaft. (Weighs approximately 34 lbs.)

Order No.	Price
1033$\frac{1}{2}$	

Same as above only with long arms to reach 18" in from end of shaft. See specifications of No. 1033 $\frac{1}{2}$. (Weighs approximately 40 lbs.)

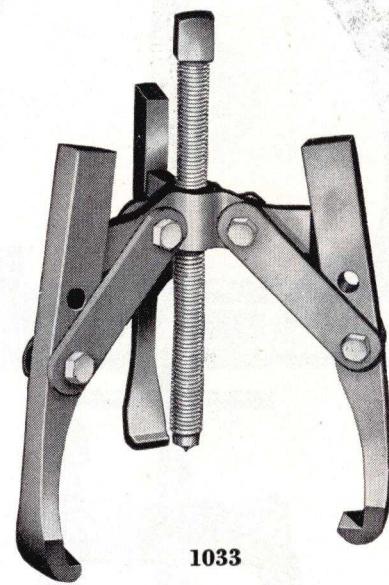
Order No.	Price
1033$\frac{1}{2}$A	

Steelgrip Puller is equipped with 3 drop forged heat treated steel arms. Cap screws, straps, etc., also heat treated steel. The $\frac{1}{4}$ " diameter hardened forcing screw is 16" long with fine threads and is pointed on the end. Will take gears, wheels, etc., up to 18" in diameter. Has a $15\frac{1}{2}$ " reach from end of shaft. (Weighs approximately 80 lbs.)

Order No.	Price
1034	

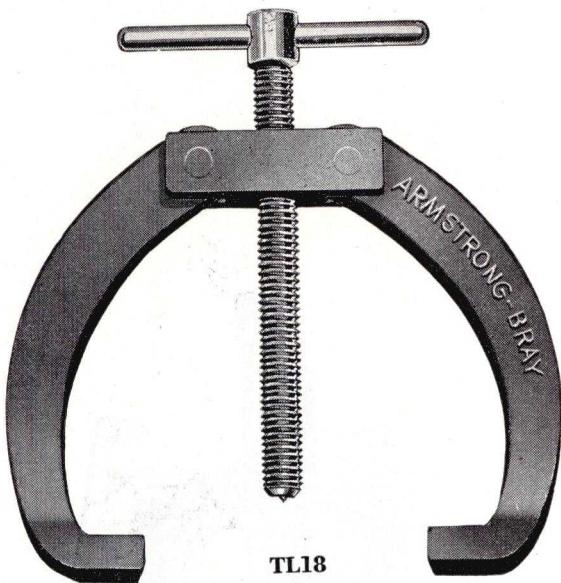
Same as above with long arms to reach 22" in from end of shaft. (Weighs approximately 100 lbs.)

Order No.	Price
1034A	

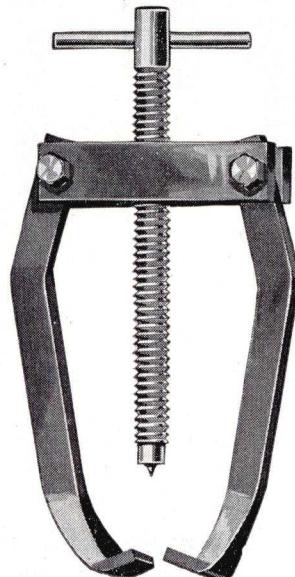


1033

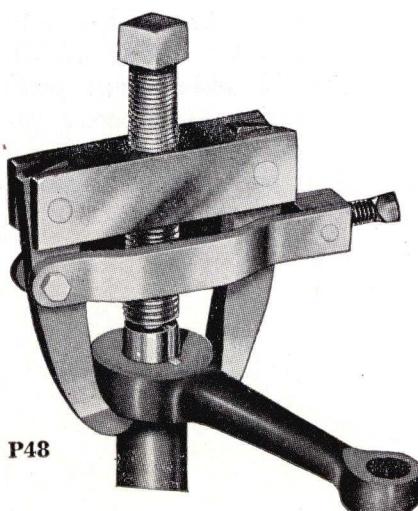
This 3-Arm Steelgrip Puller is furnished with long and short arms. The long arm has three hole adjustments for reach. Above is illustrated a short arm puller.



TL18



13A



P48

CHAINGRIP

Universal Gear and Wheel Pullers

Universal because they pull spoked wheels, solid gears, pinions and sheaves whether close-up or at considerable distance from the end of the shaft. They can be used in the most awkward places—wherever chains can be run. Come with chain hooks on one end and special hook for small motor pulleys and bushings on the other. Proof-tested, welded chains, Certified Malleable Iron Yokes with Special Heat Treated Pointed Screws.

Two Sizes — 3-Ton or 12-Ton

Equipped with 3 chains with $\frac{1}{4}$ " diameter links, each 3 feet long—proof-tested over 2,000 lbs. Each end equipped with both chain hooks and close-grip motor pulley hooks. Shipping weight 19 lbs.

Order No.

2

Price

Equipped with 3 chains with $\frac{1}{2}$ " diameter links. Each 5 feet long—proof-tested over 8,000 lbs. Each end equipped with both chain hooks and close-grip motor pulley hooks. Shipping weight 76 lbs.

Order No.

4

Price

STEELGRIP

Fan Propeller Puller

Used for removing propeller fans, special gears, bearings, etc. Has long hooks on jaws to reach in for bearing race, etc. Has reach of $3\frac{1}{4}$ " and is constructed so as to take large diameter work for its size. Arms fit snug in hub so that they "stay put" when adjusting to work. (Weighs approximately 1 lb.)

Order No.

TL18

Price

Electrical Bearing and Battery Terminal Puller

Will pull generator bearings, small gears, etc., also used on battery terminals. Has long hooks on jaws to reach bearing race.

Size No. 13 will take 4" gear or bearing and has reach of 3" in from end of shaft. (Weighs approximately 2 lbs.)

Order No.

13

Price

Size No. 13A will take 6" gear or bearing and has reach of 5" in from end of shaft. (Weighs approximately $2\frac{1}{2}$ lbs.)

Order No.

13A

Price

No. 13A Special will take 6" gears or bearings and has reach of 8" in from end of shaft. (Weighs approximately 3 lbs.)

Order No.

13A Special

Price

STEELGRIP

Pitman Arm or Steering Arm Puller

This extremely strong small puller is used to remove Pitman arms, gears, pulleys and bearings. Puller arms can be tightened on part to be pulled and cannot slip. Jaws open $2\frac{15}{16}$ ".

Steelgrip Pitman Arm Puller. (Weighs approximately 3 $\frac{1}{2}$ lbs.)

Order No.

P48

Price

SPECIAL PULLERS V-8 Sleeve Set

Sleeve Set for inserting sleeves in Ford V-8 motors. This tool is used only for inserting sleeves. The metal ripper furnished with this set is used for cutting out old sleeves. The long thread bar anchors on the crankshaft, the proper size round adapters in the top of the new sleeve. By inserting the long threaded bar through the hole in the adapter and applying pressure by turning the nut, new sleeves are pushed into position.

With the tool is furnished a tube, having on one end a hex opening, and on the other end a half inch square female opening. With this tube the nut can be turned with either a bar which is furnished, or any half inch service socket handle, or can be power driven with drill.

Order No.	Price
10350	
10350C	Sleeve Set (Cutter only)

General Motors Pinion Puller

This pinion puller was made to pull pinions on all General Motors cars. The jaws are placed around the pinion with the flat bar placed across bell-housing, and pressure applied on threaded shaft by turning the hex nut.

Order No.	Price
10300	

Ford Clutch Pilot Bearing Puller

Clutch Pilot Bearing Puller pulls bearing in fly wheels by inserting puller and expanding the collet by turning the Tee Handle, thus forcing out the bearing.

Order No.	Price
J75	

Knock-off Wheel Pullers

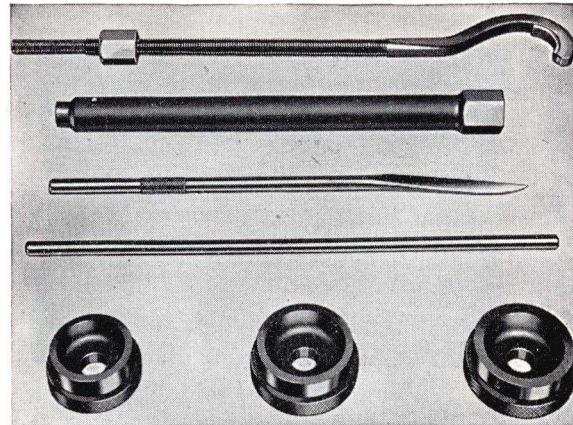
The old reliable quick method of jarring loose the taper of the axle from the wheel. Must be screwed on to dead bottom to avoid stripping of axle threads.

Order No.	Size	Price
KO1	5/8"	18
KO3	3/4"	16
KO6	7/8"	14
KO9	1"	14
KO11	1 1/8"	12

Universal Cotter Key Remover

An excellent tool for spreading and removing cotter pins. Hammer forged from the best of steel from 1/2 inch round stock. Firm easy gripping shank.

Order No.	Length 10 3/4" overall	Price
J75		



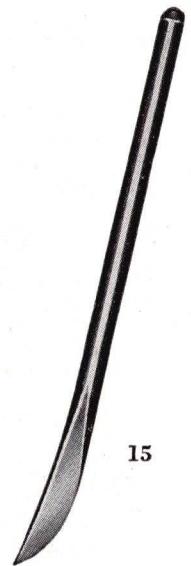
10350



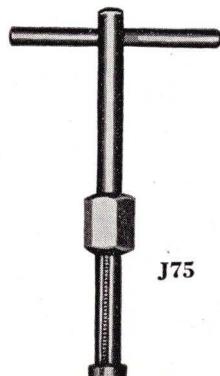
10300 Bar



10300



15



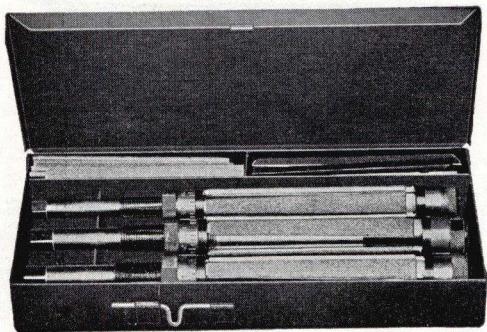
J75



KO1

CORNWELL

Quality Tools



**Use It For
Honing, Lapping,
Burnishing, And
Expanding Mandrel**

**Simple And Sturdy
In Construction
Insures Reliable
Service**

HONING SETS FOR PISTON PINS, KING BOLT, AND PITMAN SHAFT BUSHINGS

***Ream the Hole Slightly Small Then Do the
Accurate Fitting With The Hone***

This Hone enables you to do a Quick, Economical and Absolutely Satisfactory job on fitting piston pins, enlarging spring eye and spindle bushings, steering knuckle, shackle bolt, or front axle bushings, or to round and true up holes of small diameter in aluminum, bronze, steel, cast iron or alloy. It has a micrometer adjustment for expansion and contraction. These Hones give splendid results by hand or they will work on any reaming machine, lathe, drill or drill press of 50 to 150 R. P. M. by using kerosene or machine oil freely.

Each Hone has three abrasives giving an even three point bearing surface that guarantees accuracy. Each abrasive is tightly crimped on metal and a slight pressure toward the smaller end removes it immediately for replacement.

Order No.	Price
200	Complete set as illustrated, consisting of 3 Hones, 9 refills (3 sets), one set of shims (3), and one set of burnishers (3).....
201	Abrasives (1 dozen in package) Coarse.....
201F	Abrasives (1 dozen in package) Fine.....
202	Burnishers, Set of 3.....
203	Shims, Set of 3.....

Only one size refill required for the complete set.

Individual Hone Sets

Order No.	Price
205	$\frac{3}{4}$ " to $\frac{7}{8}$ ".....
206	$\frac{7}{8}$ " to 1".....
207	.990" to 1.115".....

Individual Hone Sets include 6 Refills (2 Sets) and 1 Set of Shims (3). Put up in neat cardboard box.

Expanding Mandrel Feature

By placing the set of Burnishing Blades in the Hone slots in place of the Abrasive Blades this Hone serves as an excellent Expanding Mandrel. Place the work on the Hone and expand the blades until they grip the work firmly. The Hone body is centered at both ends, thus producing a true running Mandrel that can be used for machining bushings or other similar work.

HYDRAULIC BRAKE CYLINDER HONE

Each of the two small bodies in the number 925 Set has one set of three blade slots. The one body has shallow slots and the other body has the slots milled $\frac{1}{2}$ " deeper. The medium and large bodies each have two sets of three slots; one set of three milled shallow and the other set of three milled $\frac{1}{2}$ " deeper.

One set of blades expands $\frac{1}{16}$ of an inch in each set of slots or, moving them from one set of slots to another gives $\frac{1}{8}$ of an inch expansion; using the three sets of blades in this manner gives $\frac{3}{16}$ of an inch expansion in each of the two small bodies, and $\frac{3}{8}$ of an inch expansion in the medium and large size bodies so that the set illustrated with the four bodies has a range of from $\frac{3}{4}$ " to $1\frac{1}{8}$ " which covers practically all pleasure cars and trucks.

The abrasives are all interchangeable with each size blade and the blades are all interchangeable with each size body. This eliminates buying and having on hand a large assortment of abrasives.

The abrasive cloth is a special type adaptable to this kind of work and is mounted on a metal back, making it very rigid and practical for long service. It is furnished in two grades, coarse and fine.

Kerosene should be used freely when honing. It will prevent clogging and prolong the life of the abrasives. When adjusting, set flattened nut with wrench to prevent hone from chattering and blades working loose.

No.	Price
-----	-------

925 Set as illustrated. Range $\frac{3}{4}$ " to $1\frac{1}{8}$ ", contains four bodies, three sets of three blades (small, medium and large), with abrasives mounted, 18 extra abrasives (9 coarse and 9 fine), special 1" cup screw to be used on medium size body when honing step bore cylinders, and flexible driving shaft adaptable to $\frac{1}{4}$ " or $\frac{1}{2}$ " electric drill, put up in neat metal box....

Individual Hone Sets Without Flexible Driving Shaft

*876 $\frac{3}{4}$ " to $1\frac{1}{8}$ ", put up in cardboard box (contains 2 bodies)....

*877 $1\frac{1}{8}$ " to $1\frac{1}{2}$ ", includes special 1" cup screw for use in honing step bore cylinders, put up in cardboard box.....

*878 $1\frac{1}{2}$ " to $1\frac{1}{8}$ ", put up in cardboard box.....

*Numbers 876 (contains two complete bodies), 877, 878 sets listed above contain 1 complete body, 3 sets of 3 blades (small, medium and large) mounted with coarse abrasives and 3 extra fine abrasives.

†879 $1\frac{1}{8}$ " to $2\frac{1}{4}$ ", put up in cardboard box.....

†880 $2\frac{1}{4}$ " to $2\frac{5}{8}$ ", put up in cardboard box.....

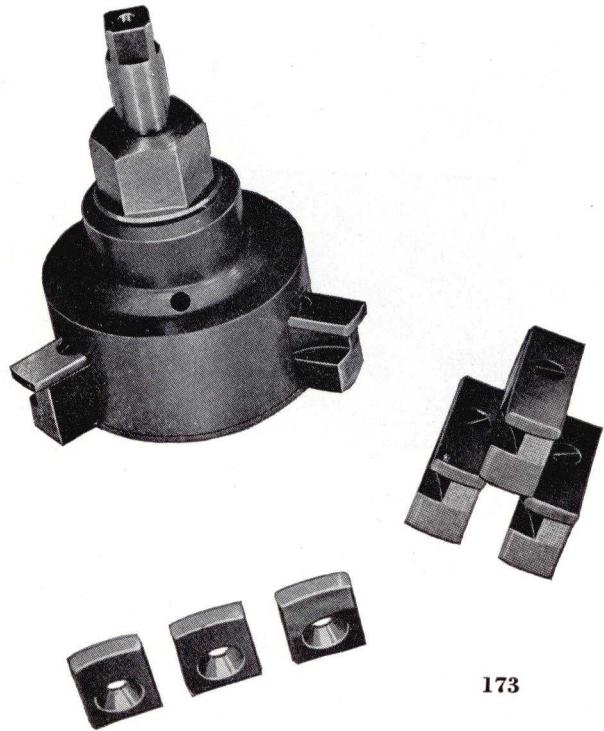
*Numbers 879 and 880 sets listed above contain 1 complete body, 3 sets of 5 blades (small, medium and large) with coarse abrasives mounted and 5 extra fine abrasives.



925 Set

Individual Parts

No.	Price
876BD	$\frac{3}{4}$ " - $\frac{7}{8}$ " - 1" hone body with nut, collar and cup screw (deep slots)
876BS	$\frac{13}{16}$ " - $\frac{15}{16}$ " - $1\frac{1}{8}$ " hone body with nut, collar and cup screw (shallow slots)
877B	$1\frac{1}{8}$ " to $1\frac{1}{2}$ " hone body with nut, collar, cup screw and special 1" cup screw for use when honing step bore cylinders.....
878B	$1\frac{1}{2}$ " to $1\frac{1}{8}$ " hone body with nut, collar and cup screw.....
879B	$1\frac{1}{8}$ " to $2\frac{1}{4}$ " hone body with nut, collar and cup screw.....
880B	$2\frac{1}{4}$ " to $2\frac{5}{8}$ " hone body with nut, collar and cup screw.....
899C	12 coarse hone abrasives.....
899F	12 fine hone abrasives.....
896	Set of 3 small die cast blades.....
897	Set of 3 medium die cast blades.....
898	Set of 3 large die cast blades.....
920	Flexible Driving Shaft.....



UNIVERSAL CYLINDER RIDGE REAMER

THE No. 173 IMPROVED UNIVERSAL CYLINDER RIDGE REAMER is our former reliable 172 model with a new range which includes the Ford V-8 60 cars. The supporting lugs are mounted on the blades and expand with the blades so that it is not necessary to remove the head studs from the block. The supporting lugs are held firmly against the top of the block by pressing down on the ratchet and socket used in turning the reamer.

In cars with recessed cylinder blocks such as Buick, Chevrolet and Nash, the lugs are replaced by small plates and the tool rests on top of the piston while reaming.

Order No.	Price
171	Set for small bore cars, including 60 horse power V-8 Fords, contains set of three blades with strips, cutting range, $2\frac{3}{16}$ " to $3\frac{1}{16}$ ", one set of three filler strips.....
173	SET AS ILLUSTRATED contains one set of three blades with strips to ream $2\frac{9}{16}$ " to $3\frac{3}{4}$ ", one set of three blades with strips to ream $3\frac{3}{4}$ " to $4\frac{1}{8}$ ", and one set of three filler strips
173A	Set contains one set of three blades with strips to ream $2\frac{9}{16}$ " to $3\frac{3}{4}$ ", and one set of three filler strips.....
173B	Set contains one set of three blades with strips to ream 3 " to $4\frac{3}{16}$ ", (a very popular size), and one set of three filler strips

171	Set for small bore cars, including 60 horse power V-8 Fords, contains set of three blades with strips, cutting range, $2\frac{3}{16}$ " to $3\frac{1}{16}$ ", one set of three filler strips.....
173	SET AS ILLUSTRATED contains one set of three blades with strips to ream $2\frac{9}{16}$ " to $3\frac{3}{4}$ ", one set of three blades with strips to ream $3\frac{3}{4}$ " to $4\frac{1}{8}$ ", and one set of three filler strips
173A	Set contains one set of three blades with strips to ream $2\frac{9}{16}$ " to $3\frac{3}{4}$ ", and one set of three filler strips.....
173B	Set contains one set of three blades with strips to ream 3 " to $4\frac{3}{16}$ ", (a very popular size), and one set of three filler strips

PARTS FOR ABOVE SETS

180	Set of three blades with strips. $2\frac{9}{16}$ " to $3\frac{3}{4}$ "
	Set of three strips or filler strips.....
	Metal box for any of the above sets.....
	Net

TRUCK, TRACTOR, BUS SIZE

174	Set contains one set of three blades with strips to ream $4\frac{1}{8}$ " to $6\frac{7}{16}$ " and one set of three filler strips in cardboard box....
179	Special set of three blades with strips to ream $6\frac{7}{16}$ " to 8 " to be used with No. 174 set only.....

PARTS FOR No. 174 SETS ONLY

178	Set of three blades with strips. $4\frac{1}{8}$ " to $6\frac{7}{16}$ "
	Set of three blade strips and three screws.....
	Set of three filler strips.....

Micrometer Gauge For Ford Valves

*No More Guess Work in Fitting Valves
No Thickness Gauge Required*

No time wasted in trying the valve in the motor.

Does the job in half the usual time and 50% more accurately.

130	Complete set for 60 horse power V-8 Fords.....
131	Complete set for all Model A, B, and V-8 Fords (except 60 horse power), and all Mercury and Lincoln Zephyrs.....

DRIVE - M - ALL

BUSHING REMOVER AND REPLACING SET

Drives All Passenger Car Bushings and a Large Percentage of Truck and Tractor Bushings

Number	Inside Diameter	Outside Diameter	Net Price
848	Driver	$\frac{13}{32}$ "	$\frac{7}{8}$ "
849	Driver	$\frac{15}{32}$ "	$\frac{1}{2}$ "
850	Driver	$\frac{1}{2}$ "	$\frac{9}{16}$ "
851	Driver	$\frac{1}{2}$ "	$\frac{5}{8}$ "
852	Driver	$\frac{15}{32}$ "	$\frac{5}{8}$ "
853	Driver	$\frac{9}{16}$ "	$\frac{11}{16}$ "
*853A	Driver	$\left\{ \begin{array}{l} \frac{39}{64} \\ \frac{5}{8} \end{array} \right.$ "	$\left\{ \begin{array}{l} \frac{43}{64} \\ \frac{13}{16} \end{array} \right.$ "
854	Driver	$\frac{5}{8}$ "	$\frac{3}{4}$ "
855	Driver	$\frac{11}{16}$ "	$\frac{13}{16}$ "
*856	Driver	$\left\{ \begin{array}{l} \frac{47}{64} \\ \frac{3}{4} \end{array} \right.$ "	$\left\{ \begin{array}{l} \frac{5}{8} \\ \frac{7}{8} \end{array} \right.$ "
857	Driver	$\frac{13}{16}$ "	$\frac{15}{16}$ "
*858	Driver	$\left\{ \begin{array}{l} \frac{55}{64} \\ \frac{7}{8} \end{array} \right.$ "	$\left\{ \begin{array}{l} \frac{63}{64} \\ 1" \end{array} \right.$ "
859	Driver	$\frac{15}{32}$ "	$\frac{1}{2}$ "
860	Driver	1"	$1\frac{1}{8}$ "
861	Driver	$1\frac{1}{16}$ "	$1\frac{3}{16}$ "
862	Driver	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "
863	Driver	$1\frac{1}{4}$ "	$1\frac{3}{8}$ "
864		No. 1 Retaining Body	
865		No. 2 Retaining Body	
866		No. 3 Retaining Body	
867		No. 1 and 2 Retaining Nut	
868		No. 3 Retaining Nut	

*853A will drive Chevrolet 6 Water Pump Bushing.

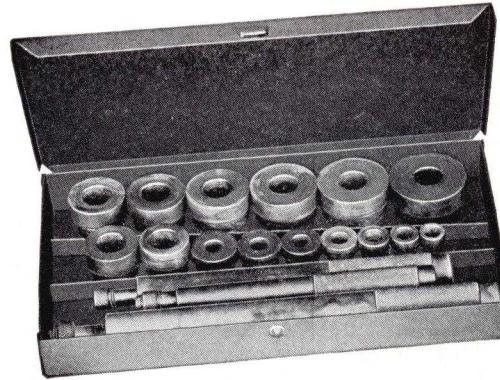
*856 will drive Chevrolet 6 King Bolt Bushing.

*858 will drive Chevrolet 6 King Bolt Bushing (knee action type), and Chevrolet 6 Piston Pin Bushing, size .866".

Number	Price
875	Complete Bushing Remover set in neat metal case

Perfect Circle Spiral Expansion Reamers with Sliding Pilot

Number	Size	Price	Number	Size	Price
1223	$\frac{1}{2}$ "		1244	.990	
1224	$\frac{9}{16}$ "		1245	1"	
1225	$\frac{5}{8}$ "		1247	$1\frac{1}{16}$ "	
1227	$\frac{11}{16}$ "		1248	$1\frac{3}{16}$ "	
1228	.730		1249	$1\frac{1}{8}$ "	
1229	$\frac{47}{64}$ "		1250	$1\frac{5}{16}$ "	
1230	.740		1251	$1\frac{1}{16}$ "	
1231	$\frac{3}{4}$ "		1252	$1\frac{7}{16}$ "	
1232	$\frac{51}{64}$ "		1255	$1\frac{1}{4}$ "	
1233	$\frac{13}{16}$ "		1256	$1\frac{5}{8}$ "	
1234	$\frac{37}{64}$ "		1257	$1\frac{3}{8}$ "	
1235	.850		1258	$1\frac{7}{16}$ "	
1236	.855		1259	$1\frac{31}{64}$ "	
1237	$\frac{55}{64}$ "		1260	$1\frac{1}{2}$ "	
1238	.865		1262	$1\frac{5}{8}$ "	
1239	$\frac{7}{8}$ "		1264	$1\frac{3}{4}$ "	
1240	.917		1266	$1\frac{7}{8}$ "	
1241	$\frac{15}{16}$ "		1267	$1\frac{15}{16}$ "	
1242	$\frac{31}{32}$ "		1268	2"	
1243	$\frac{63}{64}$ "				



875

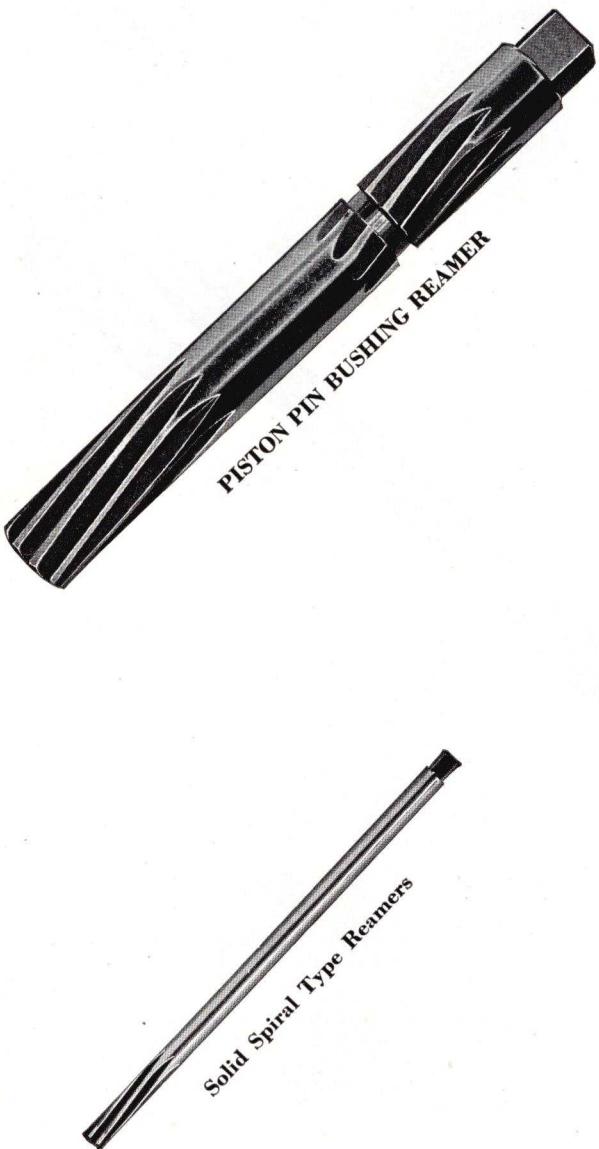


1239

These reamers are designed with the proper spiral to give best results on any kind of work.

The pilot feature enables you to bring two holes in perfect alignment, such as king bolt and piston pin work. It also steadies the reamer when first entering the hole, thereby eliminating chattering.

The large number of cutting blades makes a smooth finish and prevents the grabbing or digging in of the reamer while reaming bushings with oil grooves or key slots.



SOLID TYPE REAMERS

These reamers are constructed to ream both the piston and connecting rod bushings. The front end is ground to act as a pilot which makes reaming of the piston and connecting rod easy operations.

Number	Description
65	For all Ford V-8 cars and trucks (except 60 H.P.) also all Mercury and Lincoln Zephyr cars standard size.
65+5	For all Ford V-8 cars and trucks (except 60 H.P.), also all Mercury and Lincoln Zephyr cars .005 oversize.
66	For all Ford A and AA, B and BB cars and trucks standard size.
66+2	For all Ford A and AA, B and BB cars and trucks .002 oversize.
66+5	For all Ford A and AA, B and BB cars and trucks .005 oversize.
66A	For all cars with 1" piston pins, (except Fords) standard size.
70	For all Fords, 60 H. P. standard size.
70+5	For all Fords, 60 H.P. .005 oversize.
76	For Chevrolet Six 1929 to 1936 incl. standard size.
76+3	For Chevrolet Six 1929 to 1936 incl. .003 oversize.
76+5	For Chevrolet Six 1929 to 1936 incl. .005 oversize.
76+10	For Chevrolet Six 1929 to 1936 incl. .010 oversize.
76+15	For Chevrolet Six 1929 to 1936 incl. .015 oversize.
85	For all 4 cyl. Plymouth (including king bolt bushing) all Essex 1923-1934, Hudson 1930-35.
86	For all 6 cyl. Plymouth and all Chrysler 1932-35 and all DeSoto 1932-35.
87	For Packard 1926 to early 1934 and all cars with $\frac{7}{8}$ " piston pins.
88	For Chevrolet Six 1937 to 1941 incl. standard size.
88+5	For Chevrolet Six 1937 to 1941 incl. .005 oversize.

Sizes and Prices

Number	Size Front	Size Back	Price
65	.750	.751	
65+5	.755	.756	
66	1.000	1.001	
66+2	1.002	1.003	
66+5	1.005	1.006	
66A	1.001	----	
70	.6885	----	
70+5	.6935	----	
76	.990	.991	
76+3	.993	.994	
76+5	.995	.996	
76+10	1.000	1.001	
76+15	1.005	1.006	
85	.751	----	
86	.860	----	
87	.876	----	
88	.866	----	
88+5	.871	----	

SOLID SPIRAL TYPE REAMERS

The most practical way to remove carbon and true the Valve Guide

Order No.	Fractional Size Inches	Price	Order No.	Fractional Size Inches	Price
1000	$\frac{15}{64}$ "		1005A	$\frac{27}{64}$ "	
1001	$\frac{21}{64}$ "		1006	$\frac{7}{16}$ "	
1002	$\frac{33}{64}$ "		1007	$\frac{63}{64}$ "	
1002A	$\frac{23}{64}$ "		1007A	$\frac{15}{32}$ "	
1003	$\frac{3}{4}$ "		1007B	$\frac{31}{64}$ "	
1004	$\frac{63}{64}$ "		1008	$\frac{1}{2}$ "	
1005	$\frac{15}{32}$ "		1009	$\frac{31}{64}$ "	

SOLID TYPE REAMERS

For Popular Make Cars

These reamers have milled flutes on the front end to remove burrs or excess metal and allow the pilot to enter freely. Both ends of the reamer are ground to act as pilots. This insures perfect alignment.

Number	Description	Size	Price
68	For all A, B and V-8 Ford cars; $\frac{1}{2}$, $\frac{3}{4}$ and 1 Ton Ford trucks; Mercury cars and 1928-29 AA Ford trucks	.8135	
69	For all AA, BB and V-8 Ford trucks from 1930 to 1937 incl.	1.0045	
70	For 8 and 10 H.P. English Ford	.6885	
71	For all 1938 to 1941 incl. 1 $\frac{1}{2}$ Ton V-8 Ford trucks	1.130	
73	For Chevrolet Trucks, Cab-Over Engine, V, W, 1 $\frac{1}{2}$ Ton; WC Heavy Duty, 1 $\frac{1}{2}$ Ton, 1939-41	1.110	
74	For Chevrolet 1936 bushing type and all 1937 to 1941 incl. Knee Action models, All Packard models 6 and 8, 1935 to 1940 incl.	.867	
75	For all Chevrolet 4 and 6 cylinder cars 1928 to 1940 and all Pontiac cars 1928 to 1936 (except Knee Action models); also for Plymouth 1933 PC and PD, and 1934 PF and PG models	.7353	
83	For all Chevrolet and Pontiac 1934, 1935 and 1936 Knee Action models	1.0688	
77	For all Chevrolet 4 cylinder cars, 1921-28	.5625	
82	For all Chevrolet 6 1 $\frac{1}{2}$ ton trucks (except cab-over-engine and Heavy Duty)	.922	
82+10	For all Chevrolet 6 1 $\frac{1}{2}$ ton trucks requiring .010 oversize king bolts (except cab-over-engine and Heavy Duty)	.932	
84	For Plymouth 1934 PE; all Plymouth and Dodge models 1935 to 1941 incl., and some Chrysler and DeSoto models	.7965	
85	For all Plymouth 4 cylinder models (also piston pin bushing)	.751	
87	For all cars with $\frac{7}{8}$ " king bolt bushing	.876	



Pitman Shaft (Steering Sector) Bushing Reamers

63	For Ford V-8 1 $\frac{1}{2}$ ton truck 1932 to 1941 incl.	1.251
64	For Ford A, AA, B, BB and V-8 cars and trucks (except V-8 1 $\frac{1}{2}$ ton) and Chevrolet 1935 to 1940 incl. Master and DeLuxe cars and 1936 to 1941 incl. Chevrolet trucks	1.126
66A	For Chevrolet 1931, 1932 and 1936 Standard car, 1933 and 1934 Master car, and 1931 to 1935 (incl.) truck	1.001
87	For Chevrolet Standard car, 1933 to 1935 incl.	.876

CORNWELL

Quality Tools



NEW TYPE ADJUSTABLE REAMERS AND PILOTS

With Seven Staggered or Unevenly Spaced Blades at the Proper Angle and Retaining Collar at Each End of Blades

Individual Reamer and Pilot Sizes

Number	Size	Reamer	Length Overall	Blades
8A	$\frac{1}{4}''$ to $\frac{9}{32}''$	$3\frac{1}{2}''$	$1\frac{5}{8}''$	
7A	$\frac{3}{8}''$ to $\frac{11}{32}''$	$3\frac{3}{4}''$	$1\frac{7}{8}''$	
6A	$\frac{5}{16}''$ to $\frac{11}{32}''$	$4''$	$1\frac{7}{8}''$	
5A	$\frac{1}{2}''$ to $\frac{19}{32}''$	$4\frac{1}{4}''$	$1\frac{7}{8}''$	
4A	$\frac{3}{8}''$ to $\frac{13}{32}''$	$4\frac{1}{2}''$	$1\frac{7}{8}''$	
3A	$\frac{13}{32}''$ to $\frac{15}{32}''$	$4\frac{3}{4}''$	$1\frac{7}{8}''$	
2A	$\frac{7}{16}''$ to $\frac{15}{32}''$	$5''$	$1\frac{7}{8}''$	
A	$\frac{19}{32}''$ to $\frac{31}{32}''$	$5\frac{1}{4}''$	$2''$	
B	$\frac{17}{32}''$ to $\frac{19}{32}''$	$5\frac{3}{4}''$	$2''$	
C	$\frac{31}{32}''$ to $\frac{23}{32}''$	$6\frac{1}{4}''$	$2\frac{1}{4}''$	
D	$\frac{21}{32}''$ to $\frac{23}{32}''$	$6\frac{3}{4}''$	$2\frac{1}{4}''$	
E	$\frac{23}{32}''$ to $\frac{25}{32}''$	$7\frac{1}{4}''$	$2\frac{1}{2}''$	
F	$\frac{25}{32}''$ to $\frac{27}{32}''$	$7\frac{3}{4}''$	$2\frac{1}{2}''$	
G	$\frac{23}{32}''$ to $\frac{29}{32}''$	$8\frac{1}{4}''$	$3''$	
H	$\frac{15}{16}''$ to $1\frac{1}{16}''$	$8\frac{3}{4}''$	$3''$	
I	$1\frac{1}{16}''$ to $1\frac{3}{16}''$	$10''$	$3\frac{1}{2}''$	
J	$1\frac{3}{16}''$ to $1\frac{11}{32}''$	$11''$	$3\frac{1}{2}''$	
K	$1\frac{1}{2}''$ to $1\frac{7}{16}''$	$12''$	$4''$	
L	$1\frac{3}{2}''$ to $1\frac{25}{32}''$	$13''$	$4''$	
M	$1\frac{25}{32}''$ to $2\frac{7}{32}''$	$15''$	$5\frac{1}{4}''$	
N	$2\frac{7}{32}''$ to $2\frac{3}{4}''$	$17''$	$5\frac{3}{4}''$	
O	$2\frac{3}{4}''$ to $3\frac{1}{32}''$	$19''$	$6\frac{1}{2}''$	

Individual Reamer and Pilot Prices

Number	Dealers' Net Price Reamers	Price Pilots	Reamers with Pilots Attached
8A			
7A			
6A			
5A			
4A			
4A			
3A			
2A			
A			
B			
C			
D			
E			
F			
G			
H			
I			
J			
K			
L			
M			
N			
O			

Extension shanks available for 8A to 2A. See our listing under "Extension Only" — below.

Extension Only

(8A to 2A inclusive)

To be used on our Nos. 8A to 2A new type adjustable reamers, converting them into adjustable valve type guide reamers that can be used for other alignment reaming.

Number	Price	Number	Price
385	389		
386	390		
387	391		
388			

384 Set—listed above.....

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Quality Tools

NEW TYPE ADJUSTABLE REAMERS and PILOTS

The Pilot Absolutely Revolutionizes Reaming

Increases Production at Least 50%

Fits All Standard Critchley Type Adjustable Reamers

These Pilots are ground diametrically to assure accuracy.

The pilot guides the reamer and requires no time of the user in an effort to steady or guide the reamer. One Critchley type reamer with this pilot attachment will do as good work and, in many cases, much more work than from two to eight times as many other style higher-priced reamers. The reamer cannot jump, chatter or hog in when starting to cut.

EASILY INSTALLED. Remove the front nut and replace with retaining collar and pilot. Both ends of the double tapered sleeve take care of the full adjustment of the reamer; the short end is for connecting rods and short bushings, and the long end for piston pin and king bolt bushings.

Set Prices

Number	Price
1 Set	Contains eight REAMERS (without pilots) sizes A to H, cutting range $\frac{1}{2}$ " to $1\frac{1}{16}$ " in neat metal box.....
2 Set	Contains four REAMERS (without pilots) sizes I to L, cutting range $1\frac{1}{16}$ " to $1\frac{3}{8}$ " in neat metal box.....
3 Set	Contains eight REAMERS WITH PILOTS ATTACHED, sizes A to H, cutting range $\frac{1}{2}$ " to $1\frac{1}{16}$ " in neat metal box
4 Set	Contains eight PILOTS (only) sizes A to H, range $\frac{1}{2}$ " to $1\frac{1}{16}$ " in neat metal box.....
5 Set	Contains four PILOTS (only) sizes I to L, range $1\frac{1}{16}$ " to $1\frac{3}{8}$ " in neat cardboard box.....
6 Set	Contains six REAMERS (without pilots) sizes A to F, cutting range $\frac{1}{2}$ " to $\frac{5}{8}$ " in neat metal box.....
7 Set	Contains nine REAMERS (without pilots) sizes A to I, cutting range $\frac{1}{2}$ " to $1\frac{1}{16}$ " in neat metal box.....
A7 Set	Contains seven REAMERS (without pilots) sizes 8A to 2A inclusive, cutting range $\frac{1}{4}$ " to $\frac{1}{2}$ " in neat metal box.....
8 Set	Contains twelve REAMERS (without pilots) sizes A to L inclusive, cutting range $\frac{1}{2}$ " to $1\frac{3}{8}$ " in neat metal box.....

Valve Guide Reamers

The most practical way to remove carbon and true valve guide

Adjustable Blade

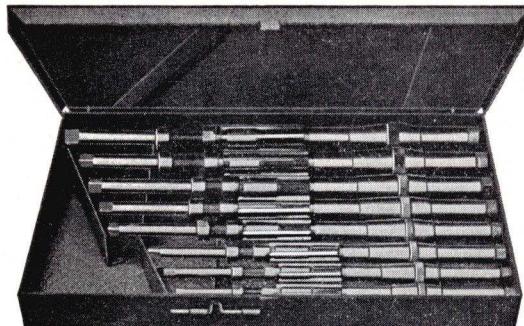
Expansion Type

Order No.	Size	Price	Order No.	Size	Price
395	$\frac{1}{4}$ " to $\frac{9}{16}$ "		385	$\frac{1}{4}$ " to $\frac{9}{16}$ "	
396	$\frac{3}{16}$ " to $\frac{11}{16}$ "		386	$\frac{9}{16}$ " to $\frac{5}{8}$ "	
397	$\frac{1}{8}$ " to $\frac{11}{16}$ "		387	$\frac{5}{16}$ " to $\frac{11}{16}$ "	
398	$\frac{1}{2}$ " to $\frac{9}{16}$ "		388	$\frac{11}{16}$ " to $\frac{3}{4}$ "	
399	$\frac{3}{8}$ " to $\frac{13}{16}$ "		389	$\frac{3}{8}$ " to $\frac{3}{4}$ "	
400	$\frac{13}{16}$ " to $\frac{15}{16}$ "		390	$\frac{13}{16}$ " to $\frac{7}{8}$ "	
401	$\frac{7}{16}$ " to $\frac{15}{16}$ "		391	$\frac{7}{16}$ " to $\frac{1}{2}$ "	
394	Set of 7 reamers listed above		384	Set of 7 extension shanks listed above	

Extension shanks to be used on our numbers 8A to 2A New Type Expansion Reamers, converting them into Expansion Type Valve Guide Reamers, that can be used for other Alignment reaming.



No. 1 Set



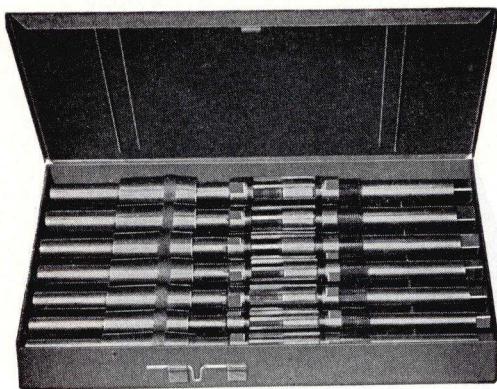
No. 3 Set



Adjustable Blade Type



Extension Shanks Only



No. 17B Set



IMPROVED PRECISION PILOT REAMERS

With Double Taper, Counter Sunk Pilot Bushings

TO GET PERFECT ALIGNMENT
THE PRECISION PILOT WAY IS THE BEST WAY TO REAM

- King Bolt Bushings
- Piston Pin Bushings
- Spring Shackle Bushings
- Water Pump Bushings
- Pitman Arm Bushings
- Tie Rod Bushings

PART OF the pilot bushing shown at left is cut away. This shows how the bushing will slide over the nut and collar of the reamer and follow after the blades as they are adjusted, making a very practical piloted reamer for reaming short bushings.

The blades in these reamers are placed at the proper angle to give a smooth shearing cut.

Retaining collars are placed at each end of the blades to protect the reamer nuts, hold the blades firm and allow the reamer to be easily adjusted.

There are two positive guides. The pilot bushing guides the front and the parallel blades guide the back.

Each reamer adjusts to the contracted size of the next larger reamer so that a complete set of fifteen reamers will ream all sizes from $\frac{7}{16}$ " to $1\frac{5}{8}$ ".

Through our many years of experience with a high standard on reamers in mind, we have developed the Precision Pilot Reamer, which brings two holes in line and gives as high percentage of bearings as is possible to obtain with a reamer.

See from the **prices** how inexpensive it is to equip your shop with a set of these modernly constructed reamers and eliminate your reaming worries.

Reamer Sets

Set No.

Price

16B Contains four reamers, 1B to 4B (cutting range $\frac{7}{16}$ " to $\frac{11}{16}$ ") put up in neat metal box.

17B Contains seven reamers 5B to 11B (cutting range $\frac{11}{16}$ " to $1\frac{1}{8}$ ") put up in neat metal box.

Any combination of eleven reamers can be furnished in one Set Box at the price of the reamers only.

***6B** will ream Chevrolet 6 King Bolt Bushing size .735".

***9B** will ream Chevrolet 6 Truck King Bolt Bushing size .922".

***8B** will ream Chevrolet 6 Piston Pin Bushing size .866".

***10B** will ream Chevrolet 6 Piston Pin Bushing size .991".

INDIVIDUAL REAMERS

Length Overall

Number	Size	Reamer	Blades	No. of Blades	Net Price
1B	$\frac{7}{16}$ " - $\frac{1}{2}$ "	$9\frac{1}{4}$ "	2"	5	
2B	$1\frac{1}{16}$ " - $1\frac{5}{16}$ "	$9\frac{1}{4}$ "	2"	6	
3B	$1\frac{9}{16}$ " - $1\frac{5}{8}$ "	$9\frac{1}{4}$ "	2"	6	
4B	$1\frac{5}{8}$ " - $1\frac{1}{2}$ "	$9\frac{1}{4}$ "	2"	7	
5B	$1\frac{1}{8}$ " - $3\frac{3}{4}$ "	$12\frac{1}{4}$ "	2"	7	
* 6B	$.735$ " - $1\frac{1}{16}$ "	$12\frac{1}{4}$ "	2"	7	
7B	$1\frac{3}{16}$ " - $1\frac{7}{8}$ "	$12\frac{1}{4}$ "	2"	7	
* 8B	$.866$ " - $1\frac{5}{16}$ "	$12\frac{1}{4}$ "	2"	7	
* 9B	$.915$ " - 1"	$12\frac{1}{4}$ "	2"	7	
* 10B	$.985$ " - $1\frac{1}{16}$ "	$12\frac{1}{4}$ "	2"	7	
11B	$1\frac{1}{16}$ " - $1\frac{1}{8}$ "	$12\frac{1}{4}$ "	2"	7	
12B	$1\frac{1}{8}$ " - $1\frac{1}{4}$ "	13"	3"	7	
13B	$1\frac{1}{4}$ " - $1\frac{3}{8}$ "	13"	3"	7	
14B	$1\frac{3}{8}$ " - $1\frac{1}{2}$ "	13"	3"	7	
15B	$1\frac{1}{2}$ " - $1\frac{5}{8}$ "	13"	3"	7	

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Quality Tools

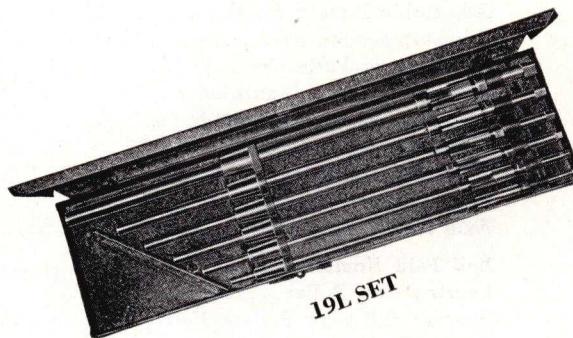
EXTRA LONG ALIGNING REAMERS

For Electric Motor Bearings

And any job where it is necessary to bring two bearings into perfect alignment.

No.	Size	Length Reamer	Length Pilot Including Blades	Overall Nut and Collar	Length of Shank	Price
1L	$\frac{1}{2}''$ to $\frac{9}{16}''$	15"	2"	10 $\frac{3}{4}''$	1 $\frac{1}{4}''$	
2L	$\frac{9}{16}''$ to $\frac{5}{8}''$	15"	2"	10 $\frac{3}{4}''$	1 $\frac{1}{4}''$	
3L	$\frac{5}{8}''$ to $\frac{11}{16}''$	16"	2"	11 $\frac{3}{4}''$	1 $\frac{1}{4}''$	
4L	$\frac{11}{16}''$ to $\frac{33}{32}''$	16"	2"	11 $\frac{3}{4}''$	1 $\frac{1}{4}''$	
5L	$\frac{11}{16}''$ to $\frac{3}{4}''$	17"	2"	12 $\frac{3}{4}''$	1 $\frac{1}{2}''$	
6L	$\frac{3}{4}''$ to $\frac{13}{16}''$	18"	2"	13 $\frac{1}{2}''$	1 $\frac{1}{2}''$	
7L	$\frac{13}{16}''$ to $\frac{37}{32}''$	18"	2"	13 $\frac{1}{2}''$	1 $\frac{1}{2}''$	
8L	$\frac{13}{16}''$ to $\frac{7}{8}''$	19"	2"	14 $\frac{1}{2}''$	1 $\frac{1}{2}''$	
9L	$\frac{7}{8}''$ to $\frac{15}{16}''$	19"	2"	15 $\frac{1}{2}''$	1 $\frac{1}{2}''$	
10L	$\frac{15}{16}''$ to 1"	20"	2"	16 $\frac{1}{2}''$	1 $\frac{1}{2}''$	
11L	1" to $1\frac{1}{16}''$	21"	2"	16 $\frac{1}{2}''$	1 $\frac{1}{2}''$	
12L	$1\frac{1}{16}''$ to $1\frac{3}{16}''$	21"	2"	16 $\frac{1}{2}''$	1 $\frac{1}{2}''$	
13L	$1\frac{1}{8}''$ to $1\frac{1}{8}''$	21"	2"	16 $\frac{1}{2}''$	1 $\frac{1}{2}''$	
14L	$1\frac{1}{8}''$ to $1\frac{1}{4}''$	24"	3"	17 $\frac{1}{2}''$	2 $\frac{1}{4}''$	
15L	$1\frac{1}{4}''$ to $1\frac{3}{8}''$	24"	3"	17 $\frac{1}{2}''$	2 $\frac{1}{4}''$	
16L	$1\frac{3}{8}''$ to $1\frac{1}{2}''$	24"	3"	17 $\frac{1}{2}''$	2 $\frac{1}{4}''$	
17L	$1\frac{1}{2}''$ to $1\frac{5}{8}''$	24"	3"	17 $\frac{1}{2}''$	2 $\frac{1}{4}''$	

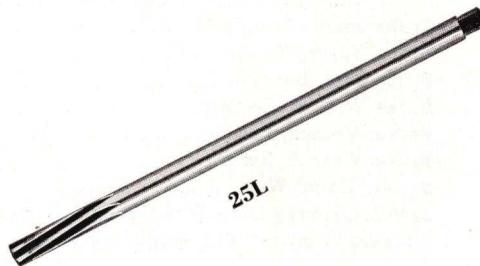
19L Set In Metal box, contains $\frac{1}{2}''$, $\frac{5}{8}''$, $\frac{11}{16}''$, $\frac{3}{4}''$, $\frac{13}{16}''$ and 1" Reamers



Solid Type Aligning Reamers for Small Electric Motors

No.	Size	Length Overall	Covers	Price
25L	$\frac{1}{4}''$	$6\frac{1}{2}''$	Sew Motors, Fans, etc.....	
26L	$\frac{17}{32}''$	$7\frac{1}{2}''$	Apex, Royal, Ohio, Premier, Western Electric and Sweeper Vac.....	
27L	.277"	$7\frac{1}{2}''$	Bee Vac, Federal, Fedelco.....	
28L	$\frac{9}{32}''$	$7\frac{1}{2}''$	Super Royal, Cadillac, Healthmore.....	
29LA	$\frac{19}{64}''$	$7\frac{1}{2}''$	Western Electric, Sweeper Vac.....	
29L	$\frac{5}{16}''$	$7\frac{1}{2}''$	Eureka, Regina, Cadillac.....	
29LB	$\frac{3}{8}''$	8"		
29LC	$\frac{7}{16}''$	9"		
30L	$\frac{1}{2}''$	10"	G. E. and other Washing Machine Motors.....	
31L	$\frac{9}{16}''$	11"		
32L	$\frac{5}{8}''$	11"		
35L	$\frac{17}{64}'' \times \frac{19}{64}''$	$7\frac{1}{2}''$	Western Electric and Sweeper Vac.....	
36L	$\frac{5}{16}'' \times \frac{17}{64}''$	$7\frac{1}{2}''$	Hoover 103	
37L	$\frac{3}{8}'' \times \frac{7}{16}''$	$7\frac{1}{2}''$	Hoover 102-105-541	

All solid type reamers listed above (except 35L, 36L and 37L) have six spiral flutes with a pilot on the front end of the reamer to guide it accurately through the bushing.



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